

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Houston

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Houston, TX 77040

Tel: (713)690-4444

TestAmerica Job ID: 600-107928-1

Client Project/Site: OT Roll Offs

For:

CB&I Federal Services LLC

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Authorized for release by:

3/20/2015 4:27:50 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Job ID: 600-107928-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative 600-107928-1

Comments

No additional comments.

Receipt

The samples were received on 3/10/2015 4:47 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.8° C, 4.0° C and 4.1° C.

GC/MS VOA

Method(s) 8260B: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 600-157996 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 600-157996 recovered outside control limits for the following analyte: 1,1,1-Trichloroethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 600-157996 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 600-157996/2).

Method(s) 8260B: The following sample was diluted due to the nature of the sample matrix: 2020T-Acid 14 (600-107928-4), 4046M-Acid 7 (600-107928-3), 4047M-Acid 6 (600-107928-2), 4048M-NL2 (600-107928-1), 5013T Base CN 19 (600-107928-7), PT6 Acid (600-107928-5), RO2 Acid (600-107928-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: 4047M-Acid 6 (600-107928-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: 5013T Base CN 19 (600-107928-7). Re-analysis was performed with concurring results. The original analysis has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C: The continuing calibration verification (CCV) associated with batch 157980 recovered above the upper control limit for 2,2'-oxybis[1-chloropropane]. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: 2020T-Acid 14 (600-107928-11), 4046M-Acid 7 (600-107928-10), 4047M-Acid 6 (600-107928-9), 4048M-NL2 (600-107928-8), 5013T Base CN 19 (600-107928-14), PT6 Acid (600-107928-12), RO2 Acid (600-107928-13). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: 4046M-Acid 7 (600-107928-10). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270C: Surrogate recovery for the following sample(s) was outside control limits: 4047M-Acid 6 (600-107928-9), 4048M-NL2 (600-107928-8), PT6 Acid (600-107928-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: 5013T Base CN 19 (600-107928-14). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Job ID: 600-107928-1 (Continued)

Laboratory: TestAmerica Houston (Continued)

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: 5013T Base CN 19 (600-107928-14). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

Method(s) 9056: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 250088 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) TX 1005: The following sample(s) was diluted due to the nature of the sample matrix: 4046M-Acid 7 (600-107928-3), 4047M-Acid 6 (600-107928-2). Elevated reporting limits (RLs) are provided.

Method(s) TX 1005: The following sample(s) required a dilution due to the nature of the sample matrix: 4046M-Acid 7 (600-107928-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 7471A: The sample duplicate (DUP) precision for 158392 was outside control limits. Sample non-homogeneity is suspected. (600-107928-4 DU)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

The TSS analysis is not appropriate for this sample matrix due to the samples being waste. Therefore, it was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Samples were "spent acid". Had to use very limited sample due to matrix.

2020T-Acid 14 (600-107928-11), 4046M-Acid 7 (600-107928-10), 4047M-Acid 6 (600-107928-9), 4048M-NL2 (600-107928-8), 5013T Base CN 19 (600-107928-14), PT6 Acid (600-107928-12), RO2 Acid (600-107928-13)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: CB&I Federal Services LLC

Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL NSH
7471A	Mercury (CVAA)	SW846	TAL HOU
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL HOU
9012	Cyanide, Reactive	SW846	TAL HOU
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL HOU
9040B	pH	SW846	TAL HOU
9056	Total Halogens(Bomb Calorimeter followed by IC)	SW846	TAL PEN
D1796	Water and Sediment in Fuel Oils	ASTM	TAL CC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: CB&I Federal Services LLC
 Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Lab Sample ID	Client Sample ID		Matrix	Collected	Received
600-107928-1	4048M-NL2	pH <1	Waste	03/10/15 13:45	03/10/15 16:47
600-107928-2	4047M-Acid 6	pH 6.8	Waste	03/10/15 13:55	03/10/15 16:47
600-107928-3	4046M-Acid 7	pH 5.36	Waste	03/10/15 14:05	03/10/15 16:47
600-107928-4	2020T-Acid 14		Waste	03/10/15 14:15	03/10/15 16:47
600-107928-5	PT6 Acid		Waste	03/10/15 14:25	03/10/15 16:47
600-107928-6	RO2 Acid	pH 8.93	Waste	03/10/15 14:35	03/10/15 16:47
600-107928-7	5013T Base CN 19		Waste	03/10/15 14:45	03/10/15 16:47
600-107928-8	4048M-NL2		Water	03/10/15 13:45	03/10/15 16:47
600-107928-9	4047M-Acid 6		Water	03/10/15 13:55	03/10/15 16:47
600-107928-10	4046M-Acid 7		Water	03/10/15 14:05	03/10/15 16:47
600-107928-11	2020T-Acid 14		Water	03/10/15 14:15	03/10/15 16:47
600-107928-12	PT6 Acid		Water	03/10/15 14:25	03/10/15 16:47
600-107928-13	RO2 Acid		Water	03/10/15 14:35	03/10/15 16:47
600-107928-14	5013T Base CN 19		Water	03/10/15 14:45	03/10/15 16:47

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2

Lab Sample ID: 600-107928-1

Matrix: Waste

Date Collected: 03/10/15 13:45

Date Received: 03/10/15 16:47

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	44.6		5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
2-Butanone (MEK)	8.38		5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		50 - 130				03/16/15 10:00	03/16/15 14:48	1
Dibromofluoromethane	108		68 - 140				03/16/15 10:00	03/16/15 14:48	1
4-Bromofluorobenzene	102		57 - 140				03/16/15 10:00	03/16/15 14:48	1
1,2-Dichloroethane-d4 (Surr)	124		61 - 130				03/16/15 10:00	03/16/15 14:48	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 23:41	1
>C12-C28	34.6		10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 23:41	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2
Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-1
Matrix: Waste

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 23:41	1
C6-C35	34.6		10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	124		70 - 130				03/16/15 14:32	03/17/15 23:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.900	U	2.00	0.900	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Barium	1.60	U	2.00	1.60	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Cadmium	0.100	U	1.00	0.100	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Chromium	0.920 J		1.00	0.600	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Lead	0.500	U	1.00	0.500	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Selenium	1.00	U	2.00	1.00	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Silver	0.500	U	1.00	0.500	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Sodium	100	U	200	100	mg/Kg		03/16/15 11:10	03/16/15 14:56	1
Sulfur	149000		50.0	20.0	mg/Kg		03/16/15 11:10	03/16/15 23:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00550 J		0.0167	0.00352	mg/Kg		03/20/15 08:45	03/20/15 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0858	U	0.251	0.0858	mg/Kg		03/16/15 07:30	03/17/15 16:35	1
Sulfide, Reactive	14.0	U	50.2	14.0	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	0.0100	U	0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	1220 F1		105	105	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Chloride	1220		105	105	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Fluoride	21.1	U F1	21.1	21.1	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Bromide	105	U	105	105	mg/Kg		03/16/15 12:17	03/17/15 14:34	1
Percent Water	96.0				%			03/17/15 15:00	1

Client Sample ID: 4047M-Acid 6

Lab Sample ID: 600-107928-2

Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Benzene	1.39 J		2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
2-Butanone (MEK)	4.41 J		5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:12	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4047M-Acid 6
Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-2
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Ethylbenzene	21.3		2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Styrene	21.0		2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
o-Xylene	47.1		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
m-Xylene & p-Xylene	57.8		2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Xylenes, Total	105		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		50 - 130				03/16/15 10:00	03/16/15 15:12	1
Dibromofluoromethane	95		68 - 140				03/16/15 10:00	03/16/15 15:12	1
4-Bromofluorobenzene	98		57 - 140				03/16/15 10:00	03/16/15 15:12	1
1,2-Dichloroethane-d4 (Surr)	116		61 - 130				03/16/15 10:00	03/16/15 15:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	140		12.5	3.45	mg/Kg		03/16/15 10:00	03/16/15 17:38	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		50 - 130				03/16/15 10:00	03/16/15 17:38	5
Dibromofluoromethane	97		68 - 140				03/16/15 10:00	03/16/15 17:38	5
4-Bromofluorobenzene	88		57 - 140				03/16/15 10:00	03/16/15 17:38	5
1,2-Dichloroethane-d4 (Surr)	112		61 - 130				03/16/15 10:00	03/16/15 17:38	5

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	6360		1000	380	mg/Kg		03/12/15 10:04	03/13/15 01:12	10
>C12-C28	74700		1000	406	mg/Kg		03/12/15 10:04	03/13/15 01:12	10
>C28-C35	36100		1000	406	mg/Kg		03/12/15 10:04	03/13/15 01:12	10
C6-C35	117000		1000	380	mg/Kg		03/12/15 10:04	03/13/15 01:12	10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4047M-Acid 6

Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-2

Matrix: Waste

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	123		70 - 130	03/12/15 10:04	03/13/15 01:12	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.882	U	1.96	0.882	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Barium	15.1		1.96	1.57	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Cadmium	0.0980	U	0.980	0.0980	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Chromium	0.588	U	0.980	0.588	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Lead	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Selenium	0.980	U	1.96	0.980	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Silver	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Sodium	692		196	98.0	mg/Kg		03/16/15 11:10	03/16/15 15:00	1
Sulfur	141		49.0	19.6	mg/Kg		03/16/15 11:10	03/16/15 23:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.78		0.167	0.0352	mg/Kg		03/20/15 08:45	03/20/15 11:44	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F		03/16/15 07:50		1
Cyanide, Reactive	0.0838	U	0.245	0.0838	mg/Kg		03/16/15 07:30	03/17/15 16:33	1
Sulfide, Reactive	13.7	U	49.0	13.7	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	6.80		0.0100	0.0100	SU		03/16/15 13:12		1
Total Halogens	965		138	138	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Chloride	965		138	138	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Fluoride	27.5	U	27.5	27.5	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Bromide	138	U	138	138	mg/Kg		03/16/15 12:51	03/17/15 15:43	1
Percent Water	90.0				%		03/17/15 15:00		1

Client Sample ID: 4046M-Acid 7

Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-3

Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.50		5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Benzene	0.629 J		2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Carbon disulfide	8.12		5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chloroform	15.5		2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:37	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4046M-Acid 7
Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-3
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Ethylbenzene	18.4		2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
4-Methyl-2-pentanone (MIBK)	0.928 J		5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Toluene	7.55		2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
o-Xylene	24.0		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
m-Xylene & p-Xylene	71.8		2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Xylenes, Total	95.8		2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	86		50 - 130				03/16/15 10:00	03/16/15 15:37	1
Dibromofluoromethane	100		68 - 140				03/16/15 10:00	03/16/15 15:37	1
4-Bromofluorobenzene	98		57 - 140				03/16/15 10:00	03/16/15 15:37	1
1,2-Dichloroethane-d4 (Surr)	116		61 - 130				03/16/15 10:00	03/16/15 15:37	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C12-C28	192000		5000	2030	mg/Kg		03/12/15 10:04	03/12/15 14:26	50
C6-C35	230000		5000	1900	mg/Kg		03/12/15 10:04	03/12/15 14:26	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	0	X	70 - 130				03/12/15 10:04	03/12/15 14:26	50

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3050		1000	380	mg/Kg		03/12/15 10:04	03/13/15 01:45	10
>C28-C35	27200		1000	406	mg/Kg		03/12/15 10:04	03/13/15 01:45	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	107		70 - 130				03/12/15 10:04	03/13/15 01:45	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.881	U	1.96	0.881	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Barium	1.57	U	1.96	1.57	mg/Kg		03/16/15 11:10	03/16/15 15:04	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4046M-Acid 7
Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-3
Matrix: Waste

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0978	U	0.978	0.0978	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Chromium	0.587	J	0.978	0.587	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Lead	0.489	U	0.978	0.489	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Selenium	0.978	U	1.96	0.978	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Silver	0.489	U	0.978	0.489	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Sodium	1060		196	97.8	mg/Kg		03/16/15 11:10	03/16/15 15:04	1
Sulfur	1130		48.9	19.6	mg/Kg		03/16/15 11:10	03/16/15 23:22	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0123	J	0.0165	0.00346	mg/Kg		03/20/15 08:45	03/20/15 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0845	U	0.247	0.0845	mg/Kg		03/16/15 07:30	03/17/15 16:32	1
Sulfide, Reactive	13.8	U	49.4	13.8	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	5.36		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	2140		148	148	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Chloride	898		148	148	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Fluoride	175		29.6	29.6	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Bromide	1070		148	148	mg/Kg		03/16/15 13:12	03/17/15 16:06	1
Percent Water	92.0				%			03/17/15 15:00	1

Client Sample ID: 2020T-Acid 14

Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-4
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.60		5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 16:01	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14
Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-4
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		50 - 130				03/16/15 10:00	03/16/15 16:01	1
Dibromofluoromethane	104		68 - 140				03/16/15 10:00	03/16/15 16:01	1
4-Bromofluorobenzene	107		57 - 140				03/16/15 10:00	03/16/15 16:01	1
1,2-Dichloroethane-d4 (Surr)	118		61 - 130				03/16/15 10:00	03/16/15 16:01	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	9.99	3.80	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
>C12-C28	23.7		9.99	4.06	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
>C28-C35	4.06	U	9.99	4.06	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
C6-C35	23.7		9.99	3.80	mg/Kg		03/16/15 14:32	03/17/15 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	120		70 - 130				03/16/15 14:32	03/17/15 00:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.864	U	1.92	0.864	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Barium	1.54	U	1.92	1.54	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Cadmium	0.0960	U	0.960	0.0960	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Chromium	0.787 J		0.960	0.576	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Lead	0.480	U	0.960	0.480	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Selenium	0.960	U	1.92	0.960	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Silver	0.480	U	0.960	0.480	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Sodium	96.0	U	192	96.0	mg/Kg		03/16/15 11:10	03/16/15 15:09	1
Sulfur	182000		48.0	19.2	mg/Kg		03/16/15 11:10	03/16/15 23:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00354 J		0.0165	0.00346	mg/Kg		03/20/15 08:45	03/20/15 10:56	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14

Date Collected: 03/10/15 14:15

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-4

Matrix: Waste

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0848	U	0.248	0.0848	mg/Kg		03/16/15 07:30	03/17/15 16:32	1
Sulfide, Reactive	13.9	U	49.6	13.9	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	0.0100	U	0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	104	U	104	104	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Chloride	104	U	104	104	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Fluoride	20.8	U	20.8	20.8	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Bromide	104	U	104	104	mg/Kg		03/16/15 13:22	03/17/15 16:28	1
Percent Water	100				%			03/17/15 15:00	1

Client Sample ID: PT6 Acid

Date Collected: 03/10/15 14:25

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-5

Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.16	J	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 16:25	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: PT6 Acid
Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-5
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		50 - 130				03/16/15 10:00	03/16/15 16:25	1
Dibromofluoromethane	92		68 - 140				03/16/15 10:00	03/16/15 16:25	1
4-Bromofluorobenzene	101		57 - 140				03/16/15 10:00	03/16/15 16:25	1
1,2-Dichloroethane-d4 (Surr)	104		61 - 130				03/16/15 10:00	03/16/15 16:25	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:17	1
>C12-C28	51.9		10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:17	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:17	1
C6-C35	51.9		10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	114		70 - 130				03/16/15 14:32	03/17/15 01:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.907	U	2.02	0.907	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Barium	1.61	U	2.02	1.61	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Cadmium	0.101	U	1.01	0.101	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Chromium	77.0		1.01	0.605	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Lead	0.504	U	1.01	0.504	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Selenium	1.01	U	2.02	1.01	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Silver	0.504	U	1.01	0.504	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Sodium	101	U	202	101	mg/Kg		03/16/15 11:10	03/16/15 15:13	1
Sulfur	126000		50.4	20.2	mg/Kg		03/16/15 11:10	03/16/15 23:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00498	J	0.0155	0.00325	mg/Kg		03/20/15 08:45	03/20/15 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0847	U	0.248	0.0847	mg/Kg		03/16/15 07:30	03/17/15 16:29	1
Sulfide, Reactive	19.8	J	49.5	13.9	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	0.0100	U		0.0100	SU			03/16/15 13:12	1
Total Halogens	349		105	105	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Chloride	349		105	105	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Fluoride	21.0	U	21.0	21.0	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Bromide	105	U	105	105	mg/Kg		03/16/15 13:35	03/17/15 16:51	1
Percent Water	100				%			03/17/15 15:00	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid
Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-6
Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.830	U	5.00	0.830	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Benzene	0.315	U	2.50	0.315	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Bromoform	0.685	U	2.50	0.685	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Bromomethane	0.415	U	5.00	0.415	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Chloroethane	0.700	U	5.00	0.700	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Chloroform	0.330	U	2.50	0.330	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Chloromethane	0.830	U	5.00	0.830	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
2-Hexanone	0.505	U	5.00	0.505	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Styrene	0.355	U	2.50	0.355	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Toluene	0.690	U	2.50	0.690	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Trichloroethene	0.700	U	2.50	0.700	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
o-Xylene	0.565	U	2.50	0.565	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg	03/16/15 10:00	03/16/15 16:49	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		50 - 130	03/16/15 10:00	03/16/15 16:49	1
Dibromofluoromethane	96		68 - 140	03/16/15 10:00	03/16/15 16:49	1
4-Bromofluorobenzene	94		57 - 140	03/16/15 10:00	03/16/15 16:49	1
1,2-Dichloroethane-d4 (Surr)	110		61 - 130	03/16/15 10:00	03/16/15 16:49	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg	03/16/15 14:32	03/17/15 01:48	1	
>C12-C28	25.7		10.0	4.06	mg/Kg	03/16/15 14:32	03/17/15 01:48	1	

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid
Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-6
Matrix: Waste

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35	4.06	U	10.0	4.06	mg/Kg		03/16/15 14:32	03/17/15 01:48	1
C6-C35	25.7		10.0	3.80	mg/Kg		03/16/15 14:32	03/17/15 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	118		70 - 130				03/16/15 14:32	03/17/15 01:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.857	U	1.90	0.857	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Barium	1.52	U	1.90	1.52	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Cadmium	0.0952	U	0.952	0.0952	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Chromium	0.571	U	0.952	0.571	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Lead	0.476	U	0.952	0.476	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Selenium	0.952	U	1.90	0.952	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Silver	0.476	U	0.952	0.476	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Sodium	1090		190	95.2	mg/Kg		03/16/15 11:10	03/16/15 15:27	1
Sulfur	458		47.6	19.0	mg/Kg		03/16/15 11:10	03/16/15 23:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00652	J	0.0167	0.00352	mg/Kg		03/20/15 08:45	03/20/15 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0851	U	0.249	0.0851	mg/Kg		03/16/15 07:30	03/17/15 16:31	1
Sulfide, Reactive	13.9	U	49.8	13.9	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	8.93		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	220		134	134	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Chloride	220		134	134	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Fluoride	26.8	U	26.8	26.8	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Bromide	134	U	134	134	mg/Kg		03/16/15 13:45	03/17/15 17:14	1
Percent Water	100				%			03/17/15 15:00	1

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-7

Date Collected: 03/10/15 14:45
Date Received: 03/10/15 16:47

Matrix: Waste

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Benzene	0.315	U	2.50	0.315	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chlorobromomethane	0.890	U	2.50	0.890	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Bromoform	0.685	U	2.50	0.685	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Bromomethane	0.415	U	5.00	0.415	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
2-Butanone (MEK)	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Carbon disulfide	0.275	U	5.00	0.275	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Carbon tetrachloride	0.565	U *	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Dibromochloromethane	0.470	U	2.50	0.470	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chlorobenzene	0.480	U	2.50	0.480	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chloroethane	0.700	U	5.00	0.700	mg/Kg		03/16/15 10:00	03/16/15 17:13	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-7

Date Collected: 03/10/15 14:45

Matrix: Waste

Date Received: 03/10/15 16:47

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Chloromethane	0.830	U	5.00	0.830	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1-Dichloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloroethane	0.450	U	2.50	0.450	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1-Dichloroethene	0.610	U	2.50	0.610	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
cis-1,2-Dichloroethene	0.415	U	2.50	0.415	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
trans-1,2-Dichloroethene	0.570	U	2.50	0.570	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloropropane	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
cis-1,3-Dichloropropene	0.270	U	2.50	0.270	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
trans-1,3-Dichloropropene	0.290	U	2.50	0.290	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Ethylbenzene	0.510	U	2.50	0.510	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
2-Hexanone	0.505	U	5.00	0.505	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Methylene Chloride	1.10	U	5.00	1.10	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
4-Methyl-2-pentanone (MIBK)	0.735	U	5.00	0.735	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Styrene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1,2,2-Tetrachloroethane	0.435	U	2.50	0.435	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Tetrachloroethene	0.355	U	2.50	0.355	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Toluene	0.690	U	2.50	0.690	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1,1-Trichloroethane	0.370	U *	2.50	0.370	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,1,2-Trichloroethane	0.365	U	20.0	0.365	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Trichloroethene	0.700	U	2.50	0.700	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Vinyl acetate	0.465	U	5.00	0.465	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Vinyl chloride	0.450	U	5.00	0.450	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
o-Xylene	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
m-Xylene & p-Xylene	0.760	U	2.50	0.760	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Xylenes, Total	0.565	U	2.50	0.565	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Bromodichloromethane	0.330	U	2.50	0.330	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloroethene, Total	0.950	U	5.00	0.950	mg/Kg		03/16/15 10:00	03/16/15 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		50 - 130				03/16/15 10:00	03/16/15 17:13	1
Dibromofluoromethane	0	X	68 - 140				03/16/15 10:00	03/16/15 17:13	1
4-Bromofluorobenzene	100		57 - 140				03/16/15 10:00	03/16/15 17:13	1
1,2-Dichloroethane-d4 (Surr)	121		61 - 130				03/16/15 10:00	03/16/15 17:13	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	50.1		9.98	3.79	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
>C12-C28	24.9		9.98	4.05	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
>C28-C35	4.05	U	9.98	4.05	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
C6-C35	75.0		9.98	3.79	mg/Kg		03/16/15 14:32	03/17/15 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	117		70 - 130				03/16/15 14:32	03/17/15 02:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.882	U	1.96	0.882	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Barium	1.57	U	1.96	1.57	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Cadmium	0.0980	U	0.980	0.0980	mg/Kg		03/16/15 11:10	03/16/15 15:32	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-7

Date Collected: 03/10/15 14:45
Date Received: 03/10/15 16:47

Matrix: Waste

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.765	J	0.980	0.588	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Lead	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Selenium	0.980	U	1.96	0.980	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Silver	0.490	U	0.980	0.490	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Sodium	36000		196	98.0	mg/Kg		03/16/15 11:10	03/16/15 15:32	1
Sulfur	28400		49.0	19.6	mg/Kg		03/16/15 11:10	03/16/15 23:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0117	J	0.0167	0.00352	mg/Kg		03/20/15 08:45	03/20/15 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			03/16/15 07:50	1
Cyanide, Reactive	0.0844	U	0.247	0.0844	mg/Kg		03/16/15 07:30	03/17/15 16:33	1
Sulfide, Reactive	19.7	J	49.4	13.8	mg/Kg		03/16/15 07:30	03/17/15 16:30	1
pH	13.9		0.0100	0.0100	SU			03/16/15 13:12	1
Total Halogens	1470		139	139	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Chloride	1430		139	139	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Fluoride	36.4		27.8	27.8	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Bromide	139	U	139	139	mg/Kg		03/16/15 13:54	03/17/15 18:23	1
Percent Water	100				%			03/17/15 15:00	1

Client Sample ID: 4048M-NL2

Lab Sample ID: 600-107928-8

Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 12:39	10
Acenaphthylene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 12:39	10
Anthracene	2.53	U	10.0	2.53	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzidine	55.4	U	100	55.4	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[a]anthracene	2.49	U	10.0	2.49	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[a]pyrene	2.69	U	10.0	2.69	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[b]fluoranthene	2.76	U	10.0	2.76	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[g,h,i]perylene	2.86	U	10.0	2.86	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzo[k]fluoranthene	2.93	U	10.0	2.93	mg/L		03/13/15 12:58	03/16/15 12:39	10
Benzyl alcohol	1.50	U	10.0	1.50	mg/L		03/13/15 12:58	03/16/15 12:39	10
Bis(2-chloroethoxy)methane	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 12:39	10
Bis(2-chloroethyl)ether	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 12:39	10
bis (2-Chloroisopropyl) ether	2.56	U	10.0	2.56	mg/L		03/13/15 12:58	03/16/15 12:39	10
Bis(2-ethylhexyl) phthalate	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Bromophenyl phenyl ether	2.74	U	10.0	2.74	mg/L		03/13/15 12:58	03/16/15 12:39	10
Butyl benzyl phthalate	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 12:39	10
Carbazole	2.77	U	10.0	2.77	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Chloroaniline	2.80	U	10.0	2.80	mg/L		03/13/15 12:58	03/16/15 12:39	10
4-Chloro-3-methylphenol	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Chloronaphthalene	2.23	U	10.0	2.23	mg/L		03/13/15 12:58	03/16/15 12:39	10
2-Chlorophenol	2.24	U	10.0	2.24	mg/L		03/13/15 12:58	03/16/15 12:39	10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2
Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-8
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	2.51	U	10.0	2.51	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Chrysene	2.54	U	10.0	2.54	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Dibenz(a,h)anthracene	2.85	U	10.0	2.85	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Dibenzofuran	2.31	U	10.0	2.31	mg/L	03/13/15 12:58	03/16/15 12:39	10	
1,2-Dichlorobenzene	1.86	U	10.0	1.86	mg/L	03/13/15 12:58	03/16/15 12:39	10	
1,3-Dichlorobenzene	1.92	U	10.0	1.92	mg/L	03/13/15 12:58	03/16/15 12:39	10	
1,4-Dichlorobenzene	1.78	U	10.0	1.78	mg/L	03/13/15 12:58	03/16/15 12:39	10	
3,3'-Dichlorobenzidine	3.87	U	20.0	3.87	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,4-Dichlorophenol	2.60	U	10.0	2.60	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Diethyl phthalate	2.58	U	10.0	2.58	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,4-Dimethylphenol	2.32	U	10.0	2.32	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Dimethyl phthalate	2.54	U	10.0	2.54	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Di-n-butyl phthalate	2.55	U	10.0	2.55	mg/L	03/13/15 12:58	03/16/15 12:39	10	
4,6-Dinitro-2-methylphenol	4.75	U	50.0	4.75	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,4-Dinitrophenol	3.55	U	50.0	3.55	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,4-Dinitrotoluene	2.63	U	10.0	2.63	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,6-Dinitrotoluene	2.50	U	10.0	2.50	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Di-n-octyl phthalate	2.50	U	10.0	2.50	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Fluoranthene	2.62	U	10.0	2.62	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Fluorene	2.29	U	10.0	2.29	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Hexachlorobenzene	2.59	U	10.0	2.59	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Hexachlorobutadiene	2.12	U	10.0	2.12	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Hexachlorocyclopentadiene	1.04	U	10.0	1.04	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Hexachloroethane	2.20	U	10.0	2.20	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Indeno[1,2,3-cd]pyrene	2.57	U	10.0	2.57	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Isophorone	2.65	U	10.0	2.65	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2-Methylnaphthalene	3.02	U	10.0	3.02	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2-Methylphenol	1.81	U	10.0	1.81	mg/L	03/13/15 12:58	03/16/15 12:39	10	
3 & 4 Methylphenol	1.88	U	20.0	1.88	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Naphthalene	2.85	U	10.0	2.85	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2-Nitroaniline	2.45	U	50.0	2.45	mg/L	03/13/15 12:58	03/16/15 12:39	10	
3-Nitroaniline	0.947	U	50.0	0.947	mg/L	03/13/15 12:58	03/16/15 12:39	10	
4-Nitroaniline	2.30	U	50.0	2.30	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Nitrobenzene	2.48	U	10.0	2.48	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2-Nitrophenol	2.65	U	10.0	2.65	mg/L	03/13/15 12:58	03/16/15 12:39	10	
4-Nitrophenol	1.51	U	50.0	1.51	mg/L	03/13/15 12:58	03/16/15 12:39	10	
N-Nitrosodimethylamine	1.93	U	10.0	1.93	mg/L	03/13/15 12:58	03/16/15 12:39	10	
N-Nitrosodi-n-propylamine	2.88	U	10.0	2.88	mg/L	03/13/15 12:58	03/16/15 12:39	10	
N-Nitrosodiphenylamine	2.73	U	10.0	2.73	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Pentachlorophenol	4.62	U	50.0	4.62	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Phenanthrene	0.790	U	10.0	0.790	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Phenol	0.991	U	10.0	0.991	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Pyrene	2.40	U	10.0	2.40	mg/L	03/13/15 12:58	03/16/15 12:39	10	
1,2,4-Trichlorobenzene	2.26	U	10.0	2.26	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,4,5-Trichlorophenol	2.71	U	10.0	2.71	mg/L	03/13/15 12:58	03/16/15 12:39	10	
2,4,6-Trichlorophenol	2.59	U	10.0	2.59	mg/L	03/13/15 12:58	03/16/15 12:39	10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	86		41 - 130			03/13/15 12:58	03/16/15 12:39	10	
2-Fluorophenol	20		10 - 130			03/13/15 12:58	03/16/15 12:39	10	

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2
Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-8
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	114		35 - 130	03/13/15 12:58	03/16/15 12:39	10
Phenol-d5 (Surr)	15		10 - 130	03/13/15 12:58	03/16/15 12:39	10
Terphenyl-d14	57		43 - 130	03/13/15 12:58	03/16/15 12:39	10
2,4,6-Tribromophenol	0 X		12 - 138	03/13/15 12:58	03/16/15 12:39	10

Client Sample ID: 4047M-Acid 6

Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-9
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.926	U	4.00	0.926	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Acenaphthylene	0.959	U	4.00	0.959	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Anthracene	1.01	U	4.00	1.01	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzidine	22.2	U	40.0	22.2	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzo[a]anthracene	0.996	U	4.00	0.996	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzo[a]pyrene	1.08	U	4.00	1.08	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzo[b]fluoranthene	1.10	U	4.00	1.10	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzo[g,h,i]perylene	1.15	U	4.00	1.15	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzo[k]fluoranthene	1.17	U	4.00	1.17	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Benzyl alcohol	0.599	U	4.00	0.599	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Bis(2-chloroethoxy)methane	1.01	U	4.00	1.01	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Bis(2-chloroethyl)ether	0.922	U	4.00	0.922	mg/L	03/13/15 12:58	03/16/15 13:12	10	
bis (2-Chloroisopropyl) ether	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Bis(2-ethylhexyl) phthalate	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 13:12	10	
4-Bromophenyl phenyl ether	1.10	U	4.00	1.10	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Butyl benzyl phthalate	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Carbazole	1.11	U	4.00	1.11	mg/L	03/13/15 12:58	03/16/15 13:12	10	
4-Chloroaniline	1.12	U	4.00	1.12	mg/L	03/13/15 12:58	03/16/15 13:12	10	
4-Chloro-3-methylphenol	1.01	U	4.00	1.01	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2-Chloronaphthalene	0.892	U	4.00	0.892	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2-Chlorophenol	0.897	U	4.00	0.897	mg/L	03/13/15 12:58	03/16/15 13:12	10	
4-Chlorophenyl phenyl ether	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Chrysene	1.02	U	4.00	1.02	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Dibenz(a,h)anthracene	1.14	U	4.00	1.14	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Dibenzofuran	0.922	U	4.00	0.922	mg/L	03/13/15 12:58	03/16/15 13:12	10	
1,2-Dichlorobenzene	0.743	U	4.00	0.743	mg/L	03/13/15 12:58	03/16/15 13:12	10	
1,3-Dichlorobenzene	0.766	U	4.00	0.766	mg/L	03/13/15 12:58	03/16/15 13:12	10	
1,4-Dichlorobenzene	0.712	U	4.00	0.712	mg/L	03/13/15 12:58	03/16/15 13:12	10	
3,3'-Dichlorobenzidine	1.55	U	8.00	1.55	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2,4-Dichlorophenol	1.04	U	4.00	1.04	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Diethyl phthalate	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2,4-Dimethylphenol	0.927	U	4.00	0.927	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Dimethyl phthalate	1.02	U	4.00	1.02	mg/L	03/13/15 12:58	03/16/15 13:12	10	
Di-n-butyl phthalate	1.02	U	4.00	1.02	mg/L	03/13/15 12:58	03/16/15 13:12	10	
4,6-Dinitro-2-methylphenol	1.90	U	20.0	1.90	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2,4-Dinitrophenol	1.42	U	20.0	1.42	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2,4-Dinitrotoluene	1.05	U	4.00	1.05	mg/L	03/13/15 12:58	03/16/15 13:12	10	
2,6-Dinitrotoluene	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 13:12	10	

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4047M-Acid 6
Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-9
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 13:12	10
Fluoranthene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 13:12	10
Fluorene	0.915	U	4.00	0.915	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachlorobenzene	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachlorobutadiene	0.846	U	4.00	0.846	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachlorocyclopentadiene	0.417	U	4.00	0.417	mg/L		03/13/15 12:58	03/16/15 13:12	10
Hexachloroethane	0.878	U	4.00	0.878	mg/L		03/13/15 12:58	03/16/15 13:12	10
Indeno[1,2,3-cd]pyrene	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 13:12	10
Isophorone	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Methylnaphthalene	2.20	J	4.00	1.21	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Methylphenol	1.35	J	4.00	0.724	mg/L		03/13/15 12:58	03/16/15 13:12	10
3 & 4 Methylphenol	3.73	J	8.00	0.752	mg/L		03/13/15 12:58	03/16/15 13:12	10
Naphthalene	3.68	J	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Nitroaniline	0.980	U	20.0	0.980	mg/L		03/13/15 12:58	03/16/15 13:12	10
3-Nitroaniline	0.379	U	20.0	0.379	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Nitroaniline	0.918	U	20.0	0.918	mg/L		03/13/15 12:58	03/16/15 13:12	10
Nitrobenzene	0.993	U	4.00	0.993	mg/L		03/13/15 12:58	03/16/15 13:12	10
2-Nitrophenol	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 13:12	10
4-Nitrophenol	0.604	U	20.0	0.604	mg/L		03/13/15 12:58	03/16/15 13:12	10
N-Nitrosodimethylamine	0.772	U	4.00	0.772	mg/L		03/13/15 12:58	03/16/15 13:12	10
N-Nitrosodi-n-propylamine	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 13:12	10
N-Nitrosodiphenylamine	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 13:12	10
Pentachlorophenol	1.85	U	20.0	1.85	mg/L		03/13/15 12:58	03/16/15 13:12	10
Phenanthrene	0.776	J	4.00	0.316	mg/L		03/13/15 12:58	03/16/15 13:12	10
Phenol	0.396	U	4.00	0.396	mg/L		03/13/15 12:58	03/16/15 13:12	10
Pyrene	0.960	U	4.00	0.960	mg/L		03/13/15 12:58	03/16/15 13:12	10
1,2,4-Trichlorobenzene	0.903	U	4.00	0.903	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4,5-Trichlorophenol	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 13:12	10
2,4,6-Trichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 13:12	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	98		41 - 130				03/13/15 12:58	03/16/15 13:12	10
2-Fluorophenol	28		10 - 130				03/13/15 12:58	03/16/15 13:12	10
Nitrobenzene-d5	118		35 - 130				03/13/15 12:58	03/16/15 13:12	10
Phenol-d5 (Surr)	23		10 - 130				03/13/15 12:58	03/16/15 13:12	10
Terphenyl-d14	94		43 - 130				03/13/15 12:58	03/16/15 13:12	10
2,4,6-Tribromophenol	0	X	12 - 138				03/13/15 12:58	03/16/15 13:12	10

Client Sample ID: 4046M-Acid 7

Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-10

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	4.63	U	20.0	4.63	mg/L		03/13/15 12:58	03/16/15 13:45	20
Acenaphthylene	4.79	U	20.0	4.79	mg/L		03/13/15 12:58	03/16/15 13:45	20
Anthracene	5.07	U	20.0	5.07	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzidine	111	U	200	111	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[a]anthracene	4.98	U	20.0	4.98	mg/L		03/13/15 12:58	03/16/15 13:45	20
Benzo[a]pyrene	5.38	U	20.0	5.38	mg/L		03/13/15 12:58	03/16/15 13:45	20

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4046M-Acid 7
Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-10
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	5.51	U	20.0	5.51	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Benzo[g,h,i]perylene	5.73	U	20.0	5.73	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Benzo[k]fluoranthene	5.86	U	20.0	5.86	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Benzyl alcohol	3.00	U	20.0	3.00	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Bis(2-chloroethoxy)methane	5.04	U	20.0	5.04	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Bis(2-chloroethyl)ether	4.61	U	20.0	4.61	mg/L	03/13/15 12:58	03/16/15 13:45	20	
bis (2-Chloroisopropyl) ether	5.13	U	20.0	5.13	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Bis(2-ethylhexyl) phthalate	5.01	U	20.0	5.01	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4-Bromophenyl phenyl ether	5.48	U	20.0	5.48	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Butyl benzyl phthalate	5.14	U	20.0	5.14	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Carbazole	5.55	U	20.0	5.55	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4-Chloroaniline	5.60	U	20.0	5.60	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4-Chloro-3-methylphenol	5.03	U	20.0	5.03	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2-Chloronaphthalene	4.46	U	20.0	4.46	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2-Chlorophenol	4.49	U	20.0	4.49	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4-Chlorophenyl phenyl ether	5.02	U	20.0	5.02	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Chrysene	5.08	U	20.0	5.08	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Dibenz(a,h)anthracene	5.71	U	20.0	5.71	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Dibenzofuran	4.61	U	20.0	4.61	mg/L	03/13/15 12:58	03/16/15 13:45	20	
1,2-Dichlorobenzene	3.72	U	20.0	3.72	mg/L	03/13/15 12:58	03/16/15 13:45	20	
1,3-Dichlorobenzene	3.83	U	20.0	3.83	mg/L	03/13/15 12:58	03/16/15 13:45	20	
1,4-Dichlorobenzene	3.56	U	20.0	3.56	mg/L	03/13/15 12:58	03/16/15 13:45	20	
3,3'-Dichlorobenzidine	7.74	U	40.0	7.74	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,4-Dichlorophenol	5.19	U	20.0	5.19	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Diethyl phthalate	5.16	U	20.0	5.16	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,4-Dimethylphenol	5.55	J	20.0	4.64	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Dimethyl phthalate	5.08	U	20.0	5.08	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Di-n-butyl phthalate	5.10	U	20.0	5.10	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4,6-Dinitro-2-methylphenol	9.50	U	100	9.50	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,4-Dinitrophenol	7.09	U	100	7.09	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,4-Dinitrotoluene	5.26	U	20.0	5.26	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,6-Dinitrotoluene	5.01	U	20.0	5.01	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Di-n-octyl phthalate	5.01	U	20.0	5.01	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Fluoranthene	5.25	U	20.0	5.25	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Fluorene	4.58	U	20.0	4.58	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Hexachlorobenzene	5.18	U	20.0	5.18	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Hexachlorobutadiene	4.23	U	20.0	4.23	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Hexachlorocyclopentadiene	2.09	U	20.0	2.09	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Hexachloroethane	4.39	U	20.0	4.39	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Indeno[1,2,3-cd]pyrene	5.14	U	20.0	5.14	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Isophorone	5.30	U	20.0	5.30	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2-Methylnaphthalene	6.05	U	20.0	6.05	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2-Methylphenol	6.07	J	20.0	3.62	mg/L	03/13/15 12:58	03/16/15 13:45	20	
3 & 4 Methylphenol	5.02	J	40.0	3.76	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Naphthalene	5.70	U	20.0	5.70	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2-Nitroaniline	4.90	U	100	4.90	mg/L	03/13/15 12:58	03/16/15 13:45	20	
3-Nitroaniline	1.89	U	100	1.89	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4-Nitroaniline	4.59	U	100	4.59	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Nitrobenzene	4.97	U	20.0	4.97	mg/L	03/13/15 12:58	03/16/15 13:45	20	

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4046M-Acid 7
Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-10
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	5.29	U	20.0	5.29	mg/L	03/13/15 12:58	03/16/15 13:45	20	
4-Nitrophenol	3.02	U	100	3.02	mg/L	03/13/15 12:58	03/16/15 13:45	20	
N-Nitrosodimethylamine	3.86	U	20.0	3.86	mg/L	03/13/15 12:58	03/16/15 13:45	20	
N-Nitrosodi-n-propylamine	5.76	U	20.0	5.76	mg/L	03/13/15 12:58	03/16/15 13:45	20	
N-Nitrosodiphenylamine	5.46	U	20.0	5.46	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Pentachlorophenol	9.24	U	100	9.24	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Phenanthrene	14.4	J	20.0	1.58	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Phenol	2.68	J	20.0	1.98	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Pyrene	4.80	U	20.0	4.80	mg/L	03/13/15 12:58	03/16/15 13:45	20	
1,2,4-Trichlorobenzene	4.52	U	20.0	4.52	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,4,5-Trichlorophenol	5.43	U	20.0	5.43	mg/L	03/13/15 12:58	03/16/15 13:45	20	
2,4,6-Trichlorophenol	5.18	U	20.0	5.18	mg/L	03/13/15 12:58	03/16/15 13:45	20	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	0	X	41 - 130			03/13/15 12:58	03/16/15 13:45	20	
2-Fluorophenol	0	X	10 - 130			03/13/15 12:58	03/16/15 13:45	20	
Nitrobenzene-d5	0	X	35 - 130			03/13/15 12:58	03/16/15 13:45	20	
Phenol-d5 (Surr)	0	X	10 - 130			03/13/15 12:58	03/16/15 13:45	20	
Terphenyl-d14	0	X	43 - 130			03/13/15 12:58	03/16/15 13:45	20	
2,4,6-Tribromophenol	0	X	12 - 138			03/13/15 12:58	03/16/15 13:45	20	

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-11

Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.32	U	10.0	2.32	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Acenaphthylene	2.40	U	10.0	2.40	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Anthracene	2.53	U	10.0	2.53	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzidine	55.4	U	100	55.4	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzo[a]anthracene	2.49	U	10.0	2.49	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzo[a]pyrene	2.69	U	10.0	2.69	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzo[b]fluoranthene	2.76	U	10.0	2.76	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzo[g,h,i]perylene	2.86	U	10.0	2.86	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzo[k]fluoranthene	2.93	U	10.0	2.93	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Benzyl alcohol	1.50	U	10.0	1.50	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Bis(2-chloroethoxy)methane	2.52	U	10.0	2.52	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Bis(2-chloroethyl)ether	2.31	U	10.0	2.31	mg/L	03/13/15 12:58	03/16/15 14:18	10	
bis (2-Chloroisopropyl) ether	2.56	U	10.0	2.56	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Bis(2-ethylhexyl) phthalate	2.51	U	10.0	2.51	mg/L	03/13/15 12:58	03/16/15 14:18	10	
4-Bromophenyl phenyl ether	2.74	U	10.0	2.74	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Butyl benzyl phthalate	2.57	U	10.0	2.57	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Carbazole	2.77	U	10.0	2.77	mg/L	03/13/15 12:58	03/16/15 14:18	10	
4-Chloroaniline	2.80	U	10.0	2.80	mg/L	03/13/15 12:58	03/16/15 14:18	10	
4-Chloro-3-methylphenol	2.52	U	10.0	2.52	mg/L	03/13/15 12:58	03/16/15 14:18	10	
2-Chloronaphthalene	2.23	U	10.0	2.23	mg/L	03/13/15 12:58	03/16/15 14:18	10	
2-Chlorophenol	2.24	U	10.0	2.24	mg/L	03/13/15 12:58	03/16/15 14:18	10	
4-Chlorophenyl phenyl ether	2.51	U	10.0	2.51	mg/L	03/13/15 12:58	03/16/15 14:18	10	
Chrysene	2.54	U	10.0	2.54	mg/L	03/13/15 12:58	03/16/15 14:18	10	

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14

Lab Sample ID: 600-107928-11

Matrix: Water

Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	2.85	U	10.0	2.85	mg/L	03/13/15 12:58	03/16/15 14:18	10	1
Dibenzofuran	2.31	U	10.0	2.31	mg/L	03/13/15 12:58	03/16/15 14:18	10	2
1,2-Dichlorobenzene	1.86	U	10.0	1.86	mg/L	03/13/15 12:58	03/16/15 14:18	10	3
1,3-Dichlorobenzene	1.92	U	10.0	1.92	mg/L	03/13/15 12:58	03/16/15 14:18	10	4
1,4-Dichlorobenzene	1.78	U	10.0	1.78	mg/L	03/13/15 12:58	03/16/15 14:18	10	5
3,3'-Dichlorobenzidine	3.87	U	20.0	3.87	mg/L	03/13/15 12:58	03/16/15 14:18	10	6
2,4-Dichlorophenol	2.60	U	10.0	2.60	mg/L	03/13/15 12:58	03/16/15 14:18	10	7
Diethyl phthalate	2.58	U	10.0	2.58	mg/L	03/13/15 12:58	03/16/15 14:18	10	8
2,4-Dimethylphenol	2.32	U	10.0	2.32	mg/L	03/13/15 12:58	03/16/15 14:18	10	9
Dimethyl phthalate	2.54	U	10.0	2.54	mg/L	03/13/15 12:58	03/16/15 14:18	10	10
Di-n-butyl phthalate	2.55	U	10.0	2.55	mg/L	03/13/15 12:58	03/16/15 14:18	10	11
4,6-Dinitro-2-methylphenol	4.75	U	50.0	4.75	mg/L	03/13/15 12:58	03/16/15 14:18	10	12
2,4-Dinitrophenol	3.55	U	50.0	3.55	mg/L	03/13/15 12:58	03/16/15 14:18	10	13
2,4-Dinitrotoluene	2.63	U	10.0	2.63	mg/L	03/13/15 12:58	03/16/15 14:18	10	14
2,6-Dinitrotoluene	2.50	U	10.0	2.50	mg/L	03/13/15 12:58	03/16/15 14:18	10	15
Di-n-octyl phthalate	2.50	U	10.0	2.50	mg/L	03/13/15 12:58	03/16/15 14:18	10	16
Fluoranthene	2.62	U	10.0	2.62	mg/L	03/13/15 12:58	03/16/15 14:18	10	17
Fluorene	2.29	U	10.0	2.29	mg/L	03/13/15 12:58	03/16/15 14:18	10	18
Hexachlorobenzene	2.59	U	10.0	2.59	mg/L	03/13/15 12:58	03/16/15 14:18	10	19
Hexachlorobutadiene	2.12	U	10.0	2.12	mg/L	03/13/15 12:58	03/16/15 14:18	10	20
Hexachlorocyclopentadiene	1.04	U	10.0	1.04	mg/L	03/13/15 12:58	03/16/15 14:18	10	21
Hexachloroethane	2.20	U	10.0	2.20	mg/L	03/13/15 12:58	03/16/15 14:18	10	22
Indeno[1,2,3-cd]pyrene	2.57	U	10.0	2.57	mg/L	03/13/15 12:58	03/16/15 14:18	10	23
Iosphorone	2.65	U	10.0	2.65	mg/L	03/13/15 12:58	03/16/15 14:18	10	24
2-Methylnaphthalene	3.02	U	10.0	3.02	mg/L	03/13/15 12:58	03/16/15 14:18	10	25
2-Methylphenol	1.81	U	10.0	1.81	mg/L	03/13/15 12:58	03/16/15 14:18	10	26
3 & 4 Methylphenol	1.88	U	20.0	1.88	mg/L	03/13/15 12:58	03/16/15 14:18	10	27
Naphthalene	2.85	U	10.0	2.85	mg/L	03/13/15 12:58	03/16/15 14:18	10	28
2-Nitroaniline	2.45	U	50.0	2.45	mg/L	03/13/15 12:58	03/16/15 14:18	10	29
3-Nitroaniline	0.947	U	50.0	0.947	mg/L	03/13/15 12:58	03/16/15 14:18	10	30
4-Nitroaniline	2.30	U	50.0	2.30	mg/L	03/13/15 12:58	03/16/15 14:18	10	31
Nitrobenzene	2.48	U	10.0	2.48	mg/L	03/13/15 12:58	03/16/15 14:18	10	32
2-Nitrophenol	2.65	U	10.0	2.65	mg/L	03/13/15 12:58	03/16/15 14:18	10	33
4-Nitrophenol	1.51	U	50.0	1.51	mg/L	03/13/15 12:58	03/16/15 14:18	10	34
N-Nitrosodimethylamine	1.93	U	10.0	1.93	mg/L	03/13/15 12:58	03/16/15 14:18	10	35
N-Nitrosodi-n-propylamine	2.88	U	10.0	2.88	mg/L	03/13/15 12:58	03/16/15 14:18	10	36
N-Nitrosodiphenylamine	2.73	U	10.0	2.73	mg/L	03/13/15 12:58	03/16/15 14:18	10	37
Pentachlorophenol	4.62	U	50.0	4.62	mg/L	03/13/15 12:58	03/16/15 14:18	10	38
Phenanthrene	0.790	U	10.0	0.790	mg/L	03/13/15 12:58	03/16/15 14:18	10	39
Phenol	0.991	U	10.0	0.991	mg/L	03/13/15 12:58	03/16/15 14:18	10	40
Pyrene	2.40	U	10.0	2.40	mg/L	03/13/15 12:58	03/16/15 14:18	10	41
1,2,4-Trichlorobenzene	2.26	U	10.0	2.26	mg/L	03/13/15 12:58	03/16/15 14:18	10	42
2,4,5-Trichlorophenol	2.71	U	10.0	2.71	mg/L	03/13/15 12:58	03/16/15 14:18	10	43
2,4,6-Trichlorophenol	2.59	U	10.0	2.59	mg/L	03/13/15 12:58	03/16/15 14:18	10	44
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed		Dil Fac
2-Fluorobiphenyl	91		41 - 130			03/13/15 12:58	03/16/15 14:18		10
2-Fluorophenol	49		10 - 130			03/13/15 12:58	03/16/15 14:18		10
Nitrobenzene-d5	113		35 - 130			03/13/15 12:58	03/16/15 14:18		10
Phenol-d5 (Surr)	32		10 - 130			03/13/15 12:58	03/16/15 14:18		10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14

Date Collected: 03/10/15 14:15

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-11

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		43 - 130	03/13/15 12:58	03/16/15 14:18	10
2,4,6-Tribromophenol	18		12 - 138	03/13/15 12:58	03/16/15 14:18	10

Client Sample ID: PT6 Acid

Date Collected: 03/10/15 14:25

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-12

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.926	U	4.00	0.926	mg/L		03/13/15 12:58	03/16/15 14:51	10
Acenaphthylene	0.959	U	4.00	0.959	mg/L		03/13/15 12:58	03/16/15 14:51	10
Anthracene	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzidine	22.2	U	40.0	22.2	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[a]anthracene	0.996	U	4.00	0.996	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[a]pyrene	1.08	U	4.00	1.08	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[b]fluoranthene	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[g,h,i]perylene	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzo[k]fluoranthene	1.17	U	4.00	1.17	mg/L		03/13/15 12:58	03/16/15 14:51	10
Benzyl alcohol	0.599	U	4.00	0.599	mg/L		03/13/15 12:58	03/16/15 14:51	10
Bis(2-chloroethoxy)methane	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 14:51	10
Bis(2-chloroethyl)ether	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 14:51	10
bis (2-Chloroisopropyl) ether	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
Bis(2-ethylhexyl) phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Bromophenyl phenyl ether	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 14:51	10
Butyl benzyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
Carbazole	1.11	U	4.00	1.11	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Chloroaniline	1.12	U	4.00	1.12	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Chloro-3-methylphenol	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Chloronaphthalene	0.892	U	4.00	0.892	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Chlorophenol	0.897	U	4.00	0.897	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Chlorophenyl phenyl ether	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
Chrysene	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 14:51	10
Dibenz(a,h)anthracene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 14:51	10
Dibenzofuran	0.922	U	4.00	0.922	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,2-Dichlorobenzene	0.743	U	4.00	0.743	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,3-Dichlorobenzene	0.766	U	4.00	0.766	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,4-Dichlorobenzene	0.712	U	4.00	0.712	mg/L		03/13/15 12:58	03/16/15 14:51	10
3,3'-Dichlorobenzidine	1.55	U	8.00	1.55	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 14:51	10
Diethyl phthalate	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dimethylphenol	0.927	U	4.00	0.927	mg/L		03/13/15 12:58	03/16/15 14:51	10
Dimethyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 14:51	10
Di-n-butyl phthalate	1.02	U	4.00	1.02	mg/L		03/13/15 12:58	03/16/15 14:51	10
4,6-Dinitro-2-methylphenol	1.90	U	20.0	1.90	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dinitrophenol	1.42	U	20.0	1.42	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4-Dinitrotoluene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,6-Dinitrotoluene	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
Di-n-octyl phthalate	1.00	U	4.00	1.00	mg/L		03/13/15 12:58	03/16/15 14:51	10
Fluoranthene	1.05	U	4.00	1.05	mg/L		03/13/15 12:58	03/16/15 14:51	10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: PT6 Acid
Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-12
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.915	U	4.00	0.915	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachlorobenzene	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachlorobutadiene	0.846	U	4.00	0.846	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachlorocyclopentadiene	0.417	U	4.00	0.417	mg/L		03/13/15 12:58	03/16/15 14:51	10
Hexachloroethane	0.878	U	4.00	0.878	mg/L		03/13/15 12:58	03/16/15 14:51	10
Indeno[1,2,3-cd]pyrene	1.03	U	4.00	1.03	mg/L		03/13/15 12:58	03/16/15 14:51	10
Isophorone	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Methylnaphthalene	1.21	U	4.00	1.21	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Methylphenol	0.724	U	4.00	0.724	mg/L		03/13/15 12:58	03/16/15 14:51	10
3 & 4 Methylphenol	0.752	U	8.00	0.752	mg/L		03/13/15 12:58	03/16/15 14:51	10
Naphthalene	1.14	U	4.00	1.14	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Nitroaniline	0.980	U	20.0	0.980	mg/L		03/13/15 12:58	03/16/15 14:51	10
3-Nitroaniline	0.379	U	20.0	0.379	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Nitroaniline	0.918	U	20.0	0.918	mg/L		03/13/15 12:58	03/16/15 14:51	10
Nitrobenzene	0.993	U	4.00	0.993	mg/L		03/13/15 12:58	03/16/15 14:51	10
2-Nitrophenol	1.06	U	4.00	1.06	mg/L		03/13/15 12:58	03/16/15 14:51	10
4-Nitrophenol	0.604	U	20.0	0.604	mg/L		03/13/15 12:58	03/16/15 14:51	10
N-Nitrosodimethylamine	0.772	U	4.00	0.772	mg/L		03/13/15 12:58	03/16/15 14:51	10
N-Nitrosodi-n-propylamine	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 14:51	10
N-Nitrosodiphenylamine	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 14:51	10
Pentachlorophenol	1.85	U	20.0	1.85	mg/L		03/13/15 12:58	03/16/15 14:51	10
Phenanthrene	0.316	U	4.00	0.316	mg/L		03/13/15 12:58	03/16/15 14:51	10
Phenol	0.396	U	4.00	0.396	mg/L		03/13/15 12:58	03/16/15 14:51	10
Pyrene	0.960	U	4.00	0.960	mg/L		03/13/15 12:58	03/16/15 14:51	10
1,2,4-Trichlorobenzene	0.903	U	4.00	0.903	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4,5-Trichlorophenol	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 14:51	10
2,4,6-Trichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 14:51	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	91		41 - 130			03/13/15 12:58	03/16/15 14:51	10	
2-Fluorophenol	42		10 - 130			03/13/15 12:58	03/16/15 14:51	10	
Nitrobenzene-d5	108		35 - 130			03/13/15 12:58	03/16/15 14:51	10	
Phenol-d5 (Surr)	25		10 - 130			03/13/15 12:58	03/16/15 14:51	10	
Terphenyl-d14	108		43 - 130			03/13/15 12:58	03/16/15 14:51	10	
2,4,6-Tribromophenol	0 X		12 - 138			03/13/15 12:58	03/16/15 14:51	10	

Client Sample ID: RO2 Acid

Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-13

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.926	U	4.00	0.926	mg/L		03/13/15 12:58	03/16/15 15:24	10
Acenaphthylene	0.959	U	4.00	0.959	mg/L		03/13/15 12:58	03/16/15 15:24	10
Anthracene	1.01	U	4.00	1.01	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzidine	22.2	U	40.0	22.2	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[a]anthracene	0.996	U	4.00	0.996	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[a]pyrene	1.08	U	4.00	1.08	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[b]fluoranthene	1.10	U	4.00	1.10	mg/L		03/13/15 12:58	03/16/15 15:24	10
Benzo[g,h,i]perylene	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 15:24	10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid
Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-13
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	1.17	U	4.00	1.17	mg/L	03/13/15 12:58	03/16/15 15:24	10	1
Benzyl alcohol	0.599	U	4.00	0.599	mg/L	03/13/15 12:58	03/16/15 15:24	10	2
Bis(2-chloroethoxy)methane	1.01	U	4.00	1.01	mg/L	03/13/15 12:58	03/16/15 15:24	10	3
Bis(2-chloroethyl)ether	0.922	U	4.00	0.922	mg/L	03/13/15 12:58	03/16/15 15:24	10	4
bis (2-Chloroisopropyl) ether	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 15:24	10	5
Bis(2-ethylhexyl) phthalate	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 15:24	10	6
4-Bromophenyl phenyl ether	1.10	U	4.00	1.10	mg/L	03/13/15 12:58	03/16/15 15:24	10	7
Butyl benzyl phthalate	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 15:24	10	8
Carbazole	1.11	U	4.00	1.11	mg/L	03/13/15 12:58	03/16/15 15:24	10	9
4-Chloroaniline	1.12	U	4.00	1.12	mg/L	03/13/15 12:58	03/16/15 15:24	10	10
4-Chloro-3-methylphenol	1.01	U	4.00	1.01	mg/L	03/13/15 12:58	03/16/15 15:24	10	11
2-Chloronaphthalene	0.892	U	4.00	0.892	mg/L	03/13/15 12:58	03/16/15 15:24	10	12
2-Chlorophenol	0.897	U	4.00	0.897	mg/L	03/13/15 12:58	03/16/15 15:24	10	13
4-Chlorophenyl phenyl ether	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 15:24	10	14
Chrysene	1.02	U	4.00	1.02	mg/L	03/13/15 12:58	03/16/15 15:24	10	1
Dibenz(a,h)anthracene	1.14	U	4.00	1.14	mg/L	03/13/15 12:58	03/16/15 15:24	10	2
Dibenzo furan	0.922	U	4.00	0.922	mg/L	03/13/15 12:58	03/16/15 15:24	10	3
1,2-Dichlorobenzene	0.743	U	4.00	0.743	mg/L	03/13/15 12:58	03/16/15 15:24	10	4
1,3-Dichlorobenzene	0.766	U	4.00	0.766	mg/L	03/13/15 12:58	03/16/15 15:24	10	5
1,4-Dichlorobenzene	0.712	U	4.00	0.712	mg/L	03/13/15 12:58	03/16/15 15:24	10	6
3,3'-Dichlorobenzidine	1.55	U	8.00	1.55	mg/L	03/13/15 12:58	03/16/15 15:24	10	7
2,4-Dichlorophenol	1.04	U	4.00	1.04	mg/L	03/13/15 12:58	03/16/15 15:24	10	8
Diethyl phthalate	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 15:24	10	9
2,4-Dimethylphenol	0.927	U	4.00	0.927	mg/L	03/13/15 12:58	03/16/15 15:24	10	10
Dimethyl phthalate	1.02	U	4.00	1.02	mg/L	03/13/15 12:58	03/16/15 15:24	10	11
Di-n-butyl phthalate	1.02	U	4.00	1.02	mg/L	03/13/15 12:58	03/16/15 15:24	10	12
4,6-Dinitro-2-methylphenol	1.90	U	20.0	1.90	mg/L	03/13/15 12:58	03/16/15 15:24	10	1
2,4-Dinitrophenol	1.42	U	20.0	1.42	mg/L	03/13/15 12:58	03/16/15 15:24	10	2
2,4-Dinitrotoluene	1.05	U	4.00	1.05	mg/L	03/13/15 12:58	03/16/15 15:24	10	3
2,6-Dinitrotoluene	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 15:24	10	4
Di-n-octyl phthalate	1.00	U	4.00	1.00	mg/L	03/13/15 12:58	03/16/15 15:24	10	5
Fluoranthene	1.05	U	4.00	1.05	mg/L	03/13/15 12:58	03/16/15 15:24	10	6
Fluorene	0.915	U	4.00	0.915	mg/L	03/13/15 12:58	03/16/15 15:24	10	7
Hexachlorobenzene	1.04	U	4.00	1.04	mg/L	03/13/15 12:58	03/16/15 15:24	10	8
Hexachlorobutadiene	0.846	U	4.00	0.846	mg/L	03/13/15 12:58	03/16/15 15:24	10	9
Hexachlorocyclopentadiene	0.417	U	4.00	0.417	mg/L	03/13/15 12:58	03/16/15 15:24	10	10
Hexachloroethane	0.878	U	4.00	0.878	mg/L	03/13/15 12:58	03/16/15 15:24	10	11
Indeno[1,2,3-cd]pyrene	1.03	U	4.00	1.03	mg/L	03/13/15 12:58	03/16/15 15:24	10	12
Isophorone	1.06	U	4.00	1.06	mg/L	03/13/15 12:58	03/16/15 15:24	10	1
2-Methylnaphthalene	1.21	U	4.00	1.21	mg/L	03/13/15 12:58	03/16/15 15:24	10	2
2-Methylphenol	0.724	U	4.00	0.724	mg/L	03/13/15 12:58	03/16/15 15:24	10	3
3 & 4 Methylphenol	0.752	U	8.00	0.752	mg/L	03/13/15 12:58	03/16/15 15:24	10	4
Naphthalene	1.14	U	4.00	1.14	mg/L	03/13/15 12:58	03/16/15 15:24	10	5
2-Nitroaniline	0.980	U	20.0	0.980	mg/L	03/13/15 12:58	03/16/15 15:24	10	6
3-Nitroaniline	0.379	U	20.0	0.379	mg/L	03/13/15 12:58	03/16/15 15:24	10	7
4-Nitroaniline	0.918	U	20.0	0.918	mg/L	03/13/15 12:58	03/16/15 15:24	10	8
Nitrobenzene	0.993	U	4.00	0.993	mg/L	03/13/15 12:58	03/16/15 15:24	10	9
2-Nitrophenol	1.06	U	4.00	1.06	mg/L	03/13/15 12:58	03/16/15 15:24	10	10
4-Nitrophenol	0.604	U	20.0	0.604	mg/L	03/13/15 12:58	03/16/15 15:24	10	11

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid
Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-13
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	0.772	U	4.00	0.772	mg/L		03/13/15 12:58	03/16/15 15:24	10
N-Nitrosodi-n-propylamine	1.15	U	4.00	1.15	mg/L		03/13/15 12:58	03/16/15 15:24	10
N-Nitrosodiphenylamine	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 15:24	10
Pentachlorophenol	1.85	U	20.0	1.85	mg/L		03/13/15 12:58	03/16/15 15:24	10
Phenanthrene	0.316	U	4.00	0.316	mg/L		03/13/15 12:58	03/16/15 15:24	10
Phenol	0.396	U	4.00	0.396	mg/L		03/13/15 12:58	03/16/15 15:24	10
Pyrene	0.960	U	4.00	0.960	mg/L		03/13/15 12:58	03/16/15 15:24	10
1,2,4-Trichlorobenzene	0.903	U	4.00	0.903	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4,5-Trichlorophenol	1.09	U	4.00	1.09	mg/L		03/13/15 12:58	03/16/15 15:24	10
2,4,6-Trichlorophenol	1.04	U	4.00	1.04	mg/L		03/13/15 12:58	03/16/15 15:24	10
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Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		41 - 130				03/13/15 12:58	03/16/15 15:24	10
2-Fluorophenol	37		10 - 130				03/13/15 12:58	03/16/15 15:24	10
Nitrobenzene-d5	90		35 - 130				03/13/15 12:58	03/16/15 15:24	10
Phenol-d5 (Surr)	21		10 - 130				03/13/15 12:58	03/16/15 15:24	10
Terphenyl-d14	112		43 - 130				03/13/15 12:58	03/16/15 15:24	10
2,4,6-Tribromophenol	27		12 - 138				03/13/15 12:58	03/16/15 15:24	10

Client Sample ID: 5013T Base CN 19

Date Collected: 03/10/15 14:45

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-14

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	2.32	U	10.0	2.32	mg/L		03/13/15 12:58	03/16/15 15:57	10
Acenaphthylene	2.40	U	10.0	2.40	mg/L		03/13/15 12:58	03/16/15 15:57	10
Anthracene	2.53	U	10.0	2.53	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzidine	55.4	U	100	55.4	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[a]anthracene	2.49	U	10.0	2.49	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[a]pyrene	2.69	U	10.0	2.69	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[b]fluoranthene	2.76	U	10.0	2.76	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[g,h,i]perylene	2.86	U	10.0	2.86	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzo[k]fluoranthene	2.93	U	10.0	2.93	mg/L		03/13/15 12:58	03/16/15 15:57	10
Benzyl alcohol	1.50	U	10.0	1.50	mg/L		03/13/15 12:58	03/16/15 15:57	10
Bis(2-chloroethoxy)methane	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 15:57	10
Bis(2-chloroethyl)ether	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 15:57	10
bis (2-Chloroisopropyl) ether	2.56	U	10.0	2.56	mg/L		03/13/15 12:58	03/16/15 15:57	10
Bis(2-ethylhexyl) phthalate	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Bromophenyl phenyl ether	2.74	U	10.0	2.74	mg/L		03/13/15 12:58	03/16/15 15:57	10
Butyl benzyl phthalate	2.57	U	10.0	2.57	mg/L		03/13/15 12:58	03/16/15 15:57	10
Carbazole	2.77	U	10.0	2.77	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Chloroaniline	2.80	U	10.0	2.80	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Chloro-3-methylphenol	2.52	U	10.0	2.52	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Chloronaphthalene	2.23	U	10.0	2.23	mg/L		03/13/15 12:58	03/16/15 15:57	10
2-Chlorophenol	2.24	U	10.0	2.24	mg/L		03/13/15 12:58	03/16/15 15:57	10
4-Chlorophenyl phenyl ether	2.51	U	10.0	2.51	mg/L		03/13/15 12:58	03/16/15 15:57	10
Chrysene	2.54	U	10.0	2.54	mg/L		03/13/15 12:58	03/16/15 15:57	10
Dibenz(a,h)anthracene	2.85	U	10.0	2.85	mg/L		03/13/15 12:58	03/16/15 15:57	10
Dibenzofuran	2.31	U	10.0	2.31	mg/L		03/13/15 12:58	03/16/15 15:57	10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-14

Date Collected: 03/10/15 14:45

Matrix: Water

Date Received: 03/10/15 16:47

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.86	U	10.0	1.86	mg/L	03/13/15 12:58	03/16/15 15:57	10	
1,3-Dichlorobenzene	1.92	U	10.0	1.92	mg/L	03/13/15 12:58	03/16/15 15:57	10	
1,4-Dichlorobenzene	1.78	U	10.0	1.78	mg/L	03/13/15 12:58	03/16/15 15:57	10	
3,3'-Dichlorobenzidine	3.87	U	20.0	3.87	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2,4-Dichlorophenol	2.60	U	10.0	2.60	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Diethyl phthalate	2.58	U	10.0	2.58	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Dimethyl phthalate	2.54	U	10.0	2.54	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Di-n-butyl phthalate	2.55	U	10.0	2.55	mg/L	03/13/15 12:58	03/16/15 15:57	10	
4,6-Dinitro-2-methylphenol	4.75	U	50.0	4.75	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2,4-Dinitrophenol	3.55	U	50.0	3.55	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2,4-Dinitrotoluene	2.63	U	10.0	2.63	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2,6-Dinitrotoluene	2.50	U	10.0	2.50	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Di-n-octyl phthalate	2.50	U	10.0	2.50	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Fluoranthene	2.62	U	10.0	2.62	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Fluorene	2.29	U	10.0	2.29	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Hexachlorobenzene	2.59	U	10.0	2.59	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Hexachlorobutadiene	2.12	U	10.0	2.12	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Hexachlorocyclopentadiene	1.04	U	10.0	1.04	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Hexachloroethane	2.20	U	10.0	2.20	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Indeno[1,2,3-cd]pyrene	2.57	U	10.0	2.57	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Isophorone	2.65	U	10.0	2.65	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2-Methylnaphthalene	3.02	U	10.0	3.02	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Naphthalene	2.85	U	10.0	2.85	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2-Nitroaniline	2.45	U	50.0	2.45	mg/L	03/13/15 12:58	03/16/15 15:57	10	
3-Nitroaniline	0.947	U	50.0	0.947	mg/L	03/13/15 12:58	03/16/15 15:57	10	
4-Nitroaniline	2.30	U	50.0	2.30	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Nitrobenzene	2.48	U	10.0	2.48	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2-Nitrophenol	2.65	U	10.0	2.65	mg/L	03/13/15 12:58	03/16/15 15:57	10	
4-Nitrophenol	1.51	U	50.0	1.51	mg/L	03/13/15 12:58	03/16/15 15:57	10	
N-Nitrosodimethylamine	1.93	U	10.0	1.93	mg/L	03/13/15 12:58	03/16/15 15:57	10	
N-Nitrosodi-n-propylamine	2.88	U	10.0	2.88	mg/L	03/13/15 12:58	03/16/15 15:57	10	
N-Nitrosodiphenylamine	2.73	U	10.0	2.73	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Pentachlorophenol	4.62	U	50.0	4.62	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Phenanthrene	0.790	U	10.0	0.790	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Phenol	78.7		10.0	0.991	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Pyrene	2.40	U	10.0	2.40	mg/L	03/13/15 12:58	03/16/15 15:57	10	
1,2,4-Trichlorobenzene	2.26	U	10.0	2.26	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2,4,5-Trichlorophenol	2.71	U	10.0	2.71	mg/L	03/13/15 12:58	03/16/15 15:57	10	
2,4,6-Trichlorophenol	2.59	U	10.0	2.59	mg/L	03/13/15 12:58	03/16/15 15:57	10	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	118		41 - 130			03/13/15 12:58	03/16/15 15:57	10	
2-Fluorophenol	53		10 - 130			03/13/15 12:58	03/16/15 15:57	10	
Nitrobenzene-d5	118		35 - 130			03/13/15 12:58	03/16/15 15:57	10	
Phenol-d5 (Surr)	33		10 - 130			03/13/15 12:58	03/16/15 15:57	10	
Terphenyl-d14	112		43 - 130			03/13/15 12:58	03/16/15 15:57	10	
2,4,6-Tribromophenol	56		12 - 138			03/13/15 12:58	03/16/15 15:57	10	

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC
 Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 5013T Base CN 19

Lab Sample ID: 600-107928-14

Matrix: Water

Date Collected: 03/10/15 14:45
 Date Received: 03/10/15 16:47

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	132		50.0	11.6	mg/L		03/13/15 12:58	03/17/15 10:23	50
2-Methylphenol	285		50.0	9.05	mg/L		03/13/15 12:58	03/17/15 10:23	50
3 & 4 Methylphenol	224		100	9.40	mg/L		03/13/15 12:58	03/17/15 10:23	50
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	X	41 - 130				03/13/15 12:58	03/17/15 10:23	50
2-Fluorophenol	0	X	10 - 130				03/13/15 12:58	03/17/15 10:23	50
Nitrobenzene-d5	0	X	35 - 130				03/13/15 12:58	03/17/15 10:23	50
Phenol-d5 (Sur)	0	X	10 - 130				03/13/15 12:58	03/17/15 10:23	50
Terphenyl-d14	0	X	43 - 130				03/13/15 12:58	03/17/15 10:23	50
2,4,6-Tribromophenol	0	X	12 - 138				03/13/15 12:58	03/17/15 10:23	50

Definitions/Glossary

Client: CB&I Federal Services LLC

Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

TestAmerica Houston

Definitions/Glossary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Waste

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-130)	DBFM (68-140)	BFB (57-140)	12DCE (61-130)
600-107928-1	4048M-NL2	99	108	102	124
600-107928-2	4047M-Acid 6	93	95	98	116
600-107928-2 - DL	4047M-Acid 6	89	97	88	112
600-107928-3	4046M-Acid 7	86	100	98	116
600-107928-4	2020T-Acid 14	109	104	107	118
600-107928-5	PT6 Acid	92	92	101	104
600-107928-6	RO2 Acid	92	96	94	110
600-107928-7	5013T Base CN 19	91	0 X	100	121
LCS 600-158002/1-A	Lab Control Sample	86	95	91	109
LCSD 600-158002/2-A	Lab Control Sample Dup	88	93	92	104
MB 600-158002/3-A	Method Blank	86	93	87	106

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (41-130)	2FP (10-130)	NBZ (35-130)	PHL (10-130)	TPH (43-130)	TBP (12-138)
600-107928-8	4048M-NL2	86	20	114	15	57	0 X
600-107928-9	4047M-Acid 6	98	28	118	23	94	0 X
600-107928-10	4046M-Acid 7	0 X	0 X	0 X	0 X	0 X	0 X
600-107928-11	2020T-Acid 14	91	49	113	32	80	18
600-107928-12	PT6 Acid	91	42	108	25	108	0 X
600-107928-13	RO2 Acid	77	37	90	21	112	27
600-107928-14	5013T Base CN 19	118	53	118	33	112	56
600-107928-14 - DL	5013T Base CN 19	0 X	0 X	0 X	0 X	0 X	0 X
LCS 600-157920/2-A	Lab Control Sample	81	70	99	54	93	92
MB 600-157920/1-A	Method Blank	83	74	102	56	93	78

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5 (Surr)

TPH = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Waste

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		OTPH (70-130)					
600-107928-1	4048M-NL2	124					

TestAmerica Houston

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Matrix: Waste

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (70-130)											
600-107928-2 - DL	4047M-Acid 6	123											
600-107928-3 - DL2	4046M-Acid 7	107											
600-107928-3 - DL	4046M-Acid 7	0 X											
600-107928-4	2020T-Acid 14	120											
600-107928-5	PT6 Acid	114											
600-107928-6	RO2 Acid	118											
600-107928-7	5013T Base CN 19	117											
LCS 600-157795/2-A	Lab Control Sample	82											
LCS 600-158029/2-A	Lab Control Sample	109											
LCSD 600-157795/3-A	Lab Control Sample Dup	84											
LCSD 600-158029/3-A	Lab Control Sample Dup	114											
MB 600-157795/1-A	Method Blank	83											
MB 600-158029/1-A	Method Blank	110											

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-158002/3-A

Matrix: Waste

Analysis Batch: 157996

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 158002

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	0.208	U	1.25	0.208	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Benzene	0.0788	U	0.625	0.0788	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chlorobromomethane	0.223	U	0.625	0.223	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Bromoform	0.171	U	0.625	0.171	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Bromomethane	0.104	U	1.25	0.104	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
2-Butanone (MEK)	0.238	U	1.25	0.238	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Carbon disulfide	0.0688	U	1.25	0.0688	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Carbon tetrachloride	0.141	U	0.625	0.141	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Dibromochloromethane	0.118	U	0.625	0.118	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chlorobenzene	0.120	U	0.625	0.120	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chloroethane	0.175	U	1.25	0.175	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chloroform	0.0825	U	0.625	0.0825	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Chloromethane	0.208	U	1.25	0.208	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1-Dichloroethane	0.109	U	0.625	0.109	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloroethane	0.113	U	0.625	0.113	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1-Dichloroethene	0.153	U	0.625	0.153	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
cis-1,2-Dichloroethene	0.104	U	0.625	0.104	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
trans-1,2-Dichloroethene	0.143	U	0.625	0.143	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloropropane	0.0888	U	0.625	0.0888	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
cis-1,3-Dichloropropene	0.0675	U	0.625	0.0675	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
trans-1,3-Dichloropropene	0.0725	U	0.625	0.0725	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Ethylbenzene	0.128	U	0.625	0.128	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
2-Hexanone	0.126	U	1.25	0.126	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Methylene Chloride	0.274	U	1.25	0.274	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
4-Methyl-2-pentanone (MIBK)	0.184	U	1.25	0.184	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Styrene	0.0888	U	0.625	0.0888	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1,2,2-Tetrachloroethane	0.109	U	0.625	0.109	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Tetrachloroethene	0.0888	U	0.625	0.0888	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Toluene	0.173	U	0.625	0.173	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1,1-Trichloroethane	0.0925	U	0.625	0.0925	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,1,2-Trichloroethane	0.0913	U	5.00	0.0913	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Trichloroethene	0.175	U	0.625	0.175	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Vinyl acetate	0.116	U	1.25	0.116	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Vinyl chloride	0.113	U	1.25	0.113	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
o-Xylene	0.141	U	0.625	0.141	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
m-Xylene & p-Xylene	0.190	U	0.625	0.190	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Xylenes, Total	0.141	U	0.625	0.141	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Bromodichloromethane	0.0825	U	0.625	0.0825	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloroethene, Total	0.238	U	1.25	0.238	mg/Kg		03/16/15 10:00	03/16/15 12:23	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
Toluene-d8 (Sur)	86		50 - 130				03/16/15 10:00	03/16/15 12:23	1
Dibromofluoromethane	93		68 - 140				03/16/15 10:00	03/16/15 12:23	1
4-Bromofluorobenzene	87		57 - 140				03/16/15 10:00	03/16/15 12:23	1
1,2-Dichloroethane-d4 (Sur)	106		61 - 130				03/16/15 10:00	03/16/15 12:23	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-158002/1-A

Matrix: Waste

Analysis Batch: 157996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Acetone	12.5	11.36		mg/Kg		91	13 - 150	
Benzene	6.25	5.609		mg/Kg		90	70 - 131	
Chlorobromomethane	6.25	6.250		mg/Kg		100	70 - 132	
Bromoform	6.25	7.106		mg/Kg		114	43 - 150	
Bromomethane	6.25	6.219		mg/Kg		100	37 - 147	
2-Butanone (MEK)	12.5	10.77		mg/Kg		86	33 - 150	
Carbon disulfide	6.25	6.007		mg/Kg		96	51 - 141	
Carbon tetrachloride	6.25	8.925 *		mg/Kg		143	58 - 130	
Dibromochloromethane	6.25	6.750		mg/Kg		108	65 - 134	
Chlorobenzene	6.25	5.774		mg/Kg		92	63 - 131	
Chloroethane	6.25	6.122		mg/Kg		98	40 - 150	
Chloroform	6.25	6.917		mg/Kg		111	69 - 130	
Chloromethane	6.25	4.758		mg/Kg		76	44 - 141	
1,1-Dichloroethane	6.25	6.544		mg/Kg		105	63 - 140	
1,2-Dichloroethane	6.25	7.664		mg/Kg		123	58 - 137	
1,1-Dichloroethene	6.25	6.175		mg/Kg		99	62 - 142	
cis-1,2-Dichloroethene	6.25	6.018		mg/Kg		96	70 - 130	
trans-1,2-Dichloroethene	6.25	6.742		mg/Kg		108	69 - 130	
1,2-Dichloropropane	6.25	5.500		mg/Kg		88	70 - 130	
cis-1,3-Dichloropropene	6.25	5.946		mg/Kg		95	65 - 130	
trans-1,3-Dichloropropene	6.25	6.714		mg/Kg		107	70 - 130	
Ethylbenzene	6.25	5.948		mg/Kg		95	66 - 130	
2-Hexanone	12.5	11.05		mg/Kg		88	35 - 150	
Methylene Chloride	6.25	6.299		mg/Kg		101	61 - 150	
4-Methyl-2-pentanone (MIBK)	12.5	11.21		mg/Kg		90	21 - 150	
Styrene	6.25	5.946		mg/Kg		95	65 - 133	
1,1,2,2-Tetrachloroethane	6.25	5.557		mg/Kg		89	61 - 138	
Tetrachloroethene	6.25	6.098		mg/Kg		98	43 - 143	
Toluene	6.25	5.697		mg/Kg		91	67 - 130	
1,1,1-Trichloroethane	6.25	8.050		mg/Kg		129	59 - 130	
1,1,2-Trichloroethane	6.25	5.752		mg/Kg		92	67 - 134	
Trichloroethene	6.25	6.105		mg/Kg		98	63 - 135	
Vinyl acetate	12.5	11.86		mg/Kg		95	40 - 150	
Vinyl chloride	6.25	5.299		mg/Kg		85	40 - 148	
o-Xylene	6.25	5.854		mg/Kg		94	62 - 130	
m-Xylene & p-Xylene	6.25	6.131		mg/Kg		98	64 - 130	
Xylenes, Total	12.5	11.99		mg/Kg		96	63 - 130	
Bromodichloromethane	6.25	6.790		mg/Kg		109	67 - 138	
1,2-Dichloroethene, Total	12.5	12.76		mg/Kg		102	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	86		50 - 130
Dibromofluoromethane	95		68 - 140
4-Bromofluorobenzene	91		57 - 140
1,2-Dichloroethane-d4 (Surr)	109		61 - 130

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 600-158002/2-A

Matrix: Waste

Analysis Batch: 157996

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 158002

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
	Added	Result	Qualifier							
Acetone	12.5	10.58		mg/Kg	85	13 - 150	7	30		
Benzene	6.25	5.583		mg/Kg	89	70 - 131	0	30		
Chlorobromomethane	6.25	6.006		mg/Kg	96	70 - 132	4	30		
Bromoform	6.25	6.941		mg/Kg	111	43 - 150	2	30		
Bromomethane	6.25	6.766		mg/Kg	108	37 - 147	8	30		
2-Butanone (MEK)	12.5	8.400		mg/Kg	67	33 - 150	25	30		
Carbon disulfide	6.25	6.096		mg/Kg	98	51 - 141	1	30		
Carbon tetrachloride	6.25	8.871 *		mg/Kg	142	58 - 130	1	30		
Dibromochloromethane	6.25	6.982		mg/Kg	112	65 - 134	3	30		
Chlorobenzene	6.25	5.891		mg/Kg	94	63 - 131	2	30		
Chloroethane	6.25	6.324		mg/Kg	101	40 - 150	3	30		
Chloroform	6.25	7.075		mg/Kg	113	69 - 130	2	30		
Chloromethane	6.25	4.845		mg/Kg	78	44 - 141	2	30		
1,1-Dichloroethane	6.25	6.656		mg/Kg	107	63 - 140	2	30		
1,2-Dichloroethane	6.25	7.466		mg/Kg	119	58 - 137	3	30		
1,1-Dichloroethene	6.25	6.510		mg/Kg	104	62 - 142	5	30		
cis-1,2-Dichloroethene	6.25	6.064		mg/Kg	97	70 - 130	1	30		
trans-1,2-Dichloroethene	6.25	6.904		mg/Kg	110	69 - 130	2	30		
1,2-Dichloropropane	6.25	5.491		mg/Kg	88	70 - 130	0	30		
cis-1,3-Dichloropropene	6.25	6.057		mg/Kg	97	65 - 130	2	30		
trans-1,3-Dichloropropene	6.25	6.770		mg/Kg	108	70 - 130	1	30		
Ethylbenzene	6.25	6.030		mg/Kg	96	66 - 130	1	30		
2-Hexanone	12.5	11.31		mg/Kg	90	35 - 150	2	30		
Methylene Chloride	6.25	6.522		mg/Kg	104	61 - 150	3	30		
4-Methyl-2-pentanone (MIBK)	12.5	10.79		mg/Kg	86	21 - 150	4	30		
Styrene	6.25	6.032		mg/Kg	97	65 - 133	1	30		
1,1,2,2-Tetrachloroethane	6.25	5.547		mg/Kg	89	61 - 138	0	30		
Tetrachloroethene	6.25	6.226		mg/Kg	100	43 - 143	2	30		
Toluene	6.25	5.766		mg/Kg	92	67 - 130	1	30		
1,1,1-Trichloroethane	6.25	8.192 *		mg/Kg	131	59 - 130	2	30		
1,1,2-Trichloroethane	6.25	5.791		mg/Kg	93	67 - 134	1	30		
Trichloroethene	6.25	6.100		mg/Kg	98	63 - 135	0	30		
Vinyl acetate	12.5	11.86		mg/Kg	95	40 - 150	0	30		
Vinyl chloride	6.25	5.557		mg/Kg	89	40 - 148	5	30		
o-Xylene	6.25	5.848		mg/Kg	94	62 - 130	0	30		
m-Xylene & p-Xylene	6.25	6.175		mg/Kg	99	64 - 130	1	30		
Xylenes, Total	12.5	12.02		mg/Kg	96	63 - 130	0	30		
Bromodichloromethane	6.25	6.954		mg/Kg	111	67 - 138	2	30		
1,2-Dichloroethene, Total	12.5	12.97		mg/Kg	104	70 - 130	2	30		

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Toluene-d8 (Sur)	88		50 - 130
Dibromofluoromethane	93		68 - 140
4-Bromofluorobenzene	92		57 - 140
1,2-Dichloroethane-d4 (Sur)	104		61 - 130

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-157920/1-A

Matrix: Water

Analysis Batch: 157980

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 157920

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	0.00232	U	0.0100	0.00232	mg/L	03/13/15 12:58	03/16/15 09:54		1
Acenaphthylene	0.00240	U	0.0100	0.00240	mg/L	03/13/15 12:58	03/16/15 09:54		1
Anthracene	0.00253	U	0.0100	0.00253	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzidine	0.0554	U	0.100	0.0554	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzo[a]anthracene	0.00249	U	0.0100	0.00249	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzo[a]pyrene	0.00269	U	0.0100	0.00269	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzo[b]fluoranthene	0.00276	U	0.0100	0.00276	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzo[g,h,i]perylene	0.00286	U	0.0100	0.00286	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzo[k]fluoranthene	0.00293	U	0.0100	0.00293	mg/L	03/13/15 12:58	03/16/15 09:54		1
Benzyl alcohol	0.00150	U	0.0100	0.00150	mg/L	03/13/15 12:58	03/16/15 09:54		1
Bis(2-chloroethoxy)methane	0.00252	U	0.0100	0.00252	mg/L	03/13/15 12:58	03/16/15 09:54		1
Bis(2-chloroethyl)ether	0.00231	U	0.0100	0.00231	mg/L	03/13/15 12:58	03/16/15 09:54		1
bis (2-Chloroisopropyl) ether	0.00256	U	0.0100	0.00256	mg/L	03/13/15 12:58	03/16/15 09:54		1
Bis(2-ethylhexyl) phthalate	0.00251	U	0.0100	0.00251	mg/L	03/13/15 12:58	03/16/15 09:54		1
4-Bromophenyl phenyl ether	0.00274	U	0.0100	0.00274	mg/L	03/13/15 12:58	03/16/15 09:54		1
Butyl benzyl phthalate	0.00257	U	0.0100	0.00257	mg/L	03/13/15 12:58	03/16/15 09:54		1
Carbazole	0.00277	U	0.0100	0.00277	mg/L	03/13/15 12:58	03/16/15 09:54		1
4-Chloroaniline	0.00280	U	0.0100	0.00280	mg/L	03/13/15 12:58	03/16/15 09:54		1
4-Chloro-3-methylphenol	0.00252	U	0.0100	0.00252	mg/L	03/13/15 12:58	03/16/15 09:54		1
2-Chloronaphthalene	0.00223	U	0.0100	0.00223	mg/L	03/13/15 12:58	03/16/15 09:54		1
2-Chlorophenol	0.00224	U	0.0100	0.00224	mg/L	03/13/15 12:58	03/16/15 09:54		1
4-Chlorophenyl phenyl ether	0.00251	U	0.0100	0.00251	mg/L	03/13/15 12:58	03/16/15 09:54		1
Chrysene	0.00254	U	0.0100	0.00254	mg/L	03/13/15 12:58	03/16/15 09:54		1
Dibenz(a,h)anthracene	0.00285	U	0.0100	0.00285	mg/L	03/13/15 12:58	03/16/15 09:54		1
Dibenzofuran	0.00231	U	0.0100	0.00231	mg/L	03/13/15 12:58	03/16/15 09:54		1
1,2-Dichlorobenzene	0.00186	U	0.0100	0.00186	mg/L	03/13/15 12:58	03/16/15 09:54		1
1,3-Dichlorobenzene	0.00192	U	0.0100	0.00192	mg/L	03/13/15 12:58	03/16/15 09:54		1
1,4-Dichlorobenzene	0.00178	U	0.0100	0.00178	mg/L	03/13/15 12:58	03/16/15 09:54		1
3,3'-Dichlorobenzidine	0.00387	U	0.0200	0.00387	mg/L	03/13/15 12:58	03/16/15 09:54		1
2,4-Dichlorophenol	0.00260	U	0.0100	0.00260	mg/L	03/13/15 12:58	03/16/15 09:54		1
Diethyl phthalate	0.00258	U	0.0100	0.00258	mg/L	03/13/15 12:58	03/16/15 09:54		1
2,4-Dimethylphenol	0.00232	U	0.0100	0.00232	mg/L	03/13/15 12:58	03/16/15 09:54		1
Dimethyl phthalate	0.00254	U	0.0100	0.00254	mg/L	03/13/15 12:58	03/16/15 09:54		1
Di-n-butyl phthalate	0.00255	U	0.0100	0.00255	mg/L	03/13/15 12:58	03/16/15 09:54		1
4,6-Dinitro-2-methylphenol	0.00475	U	0.0500	0.00475	mg/L	03/13/15 12:58	03/16/15 09:54		1
2,4-Dinitrophenol	0.00355	U	0.0500	0.00355	mg/L	03/13/15 12:58	03/16/15 09:54		1
2,4-Dinitrotoluene	0.00263	U	0.0100	0.00263	mg/L	03/13/15 12:58	03/16/15 09:54		1
2,6-Dinitrotoluene	0.00250	U	0.0100	0.00250	mg/L	03/13/15 12:58	03/16/15 09:54		1
Di-n-octyl phthalate	0.00250	U	0.0100	0.00250	mg/L	03/13/15 12:58	03/16/15 09:54		1
Fluoranthene	0.00262	U	0.0100	0.00262	mg/L	03/13/15 12:58	03/16/15 09:54		1
Fluorene	0.00229	U	0.0100	0.00229	mg/L	03/13/15 12:58	03/16/15 09:54		1
Hexachlorobenzene	0.00259	U	0.0100	0.00259	mg/L	03/13/15 12:58	03/16/15 09:54		1
Hexachlorobutadiene	0.00212	U	0.0100	0.00212	mg/L	03/13/15 12:58	03/16/15 09:54		1
Hexachlorocyclopentadiene	0.00104	U	0.0100	0.00104	mg/L	03/13/15 12:58	03/16/15 09:54		1
Hexachloroethane	0.00220	U	0.0100	0.00220	mg/L	03/13/15 12:58	03/16/15 09:54		1
Indeno[1,2,3-cd]pyrene	0.00257	U	0.0100	0.00257	mg/L	03/13/15 12:58	03/16/15 09:54		1
Isophorone	0.00265	U	0.0100	0.00265	mg/L	03/13/15 12:58	03/16/15 09:54		1
2-Methylnaphthalene	0.00302	U	0.0100	0.00302	mg/L	03/13/15 12:58	03/16/15 09:54		1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-157920/1-A

Matrix: Water

Analysis Batch: 157980

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 157920

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.00181	U	0.0100	0.00181	mg/L		03/13/15 12:58	03/16/15 09:54	1
3 & 4 Methylphenol	0.00188	U	0.0200	0.00188	mg/L		03/13/15 12:58	03/16/15 09:54	1
Naphthalene	0.00285	U	0.0100	0.00285	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Nitroaniline	0.00245	U	0.0500	0.00245	mg/L		03/13/15 12:58	03/16/15 09:54	1
3-Nitroaniline	0.000947	U	0.0500	0.000947	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Nitroaniline	0.00230	U	0.0500	0.00230	mg/L		03/13/15 12:58	03/16/15 09:54	1
Nitrobenzene	0.00248	U	0.0100	0.00248	mg/L		03/13/15 12:58	03/16/15 09:54	1
2-Nitrophenol	0.00265	U	0.0100	0.00265	mg/L		03/13/15 12:58	03/16/15 09:54	1
4-Nitrophenol	0.00151	U	0.0500	0.00151	mg/L		03/13/15 12:58	03/16/15 09:54	1
N-Nitrosodimethylamine	0.00193	U	0.0100	0.00193	mg/L		03/13/15 12:58	03/16/15 09:54	1
N-Nitrosodi-n-propylamine	0.00288	U	0.0100	0.00288	mg/L		03/13/15 12:58	03/16/15 09:54	1
N-Nitrosodiphenylamine	0.00273	U	0.0100	0.00273	mg/L		03/13/15 12:58	03/16/15 09:54	1
Pentachlorophenol	0.00462	U	0.0500	0.00462	mg/L		03/13/15 12:58	03/16/15 09:54	1
Phenanthren	0.000790	U	0.0100	0.000790	mg/L		03/13/15 12:58	03/16/15 09:54	1
Phenol	0.000991	U	0.0100	0.000991	mg/L		03/13/15 12:58	03/16/15 09:54	1
Pyrene	0.00240	U	0.0100	0.00240	mg/L		03/13/15 12:58	03/16/15 09:54	1
1,2,4-Trichlorobenzene	0.00226	U	0.0100	0.00226	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4,5-Trichlorophenol	0.00271	U	0.0100	0.00271	mg/L		03/13/15 12:58	03/16/15 09:54	1
2,4,6-Trichlorophenol	0.00259	U	0.0100	0.00259	mg/L		03/13/15 12:58	03/16/15 09:54	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		41 - 130		03/13/15 12:58	03/16/15 09:54
2-Fluorophenol	74		10 - 130		03/13/15 12:58	03/16/15 09:54
Nitrobenzene-d5	102		35 - 130		03/13/15 12:58	03/16/15 09:54
Phenol-d5 (Surr)	56		10 - 130		03/13/15 12:58	03/16/15 09:54
Terphenyl-d14	93		43 - 130		03/13/15 12:58	03/16/15 09:54
2,4,6-Tribromophenol	78		12 - 138		03/13/15 12:58	03/16/15 09:54

Lab Sample ID: LCS 600-157920/2-A

Matrix: Water

Analysis Batch: 157980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 157920

Analyte	Spike Added	LCS			D	%Rec	Limits
		Result	Qualifier	Unit			
Acenaphthene	0.0500	0.04248		mg/L		85	60 - 130
Acenaphthylene	0.0500	0.04226		mg/L		85	50 - 130
Anthracene	0.0500	0.04476		mg/L		90	65 - 130
Benzidine	0.100	0.0554	U	mg/L		49	10 - 150
Benzo[a]anthracene	0.0500	0.04544		mg/L		91	64 - 130
Benzo[a]pyrene	0.0500	0.04947		mg/L		99	10 - 130
Benzo[b]fluoranthene	0.0500	0.05128		mg/L		103	10 - 130
Benzo[g,h,i]perylene	0.0500	0.05447		mg/L		109	10 - 130
Benzo[k]fluoranthene	0.0500	0.05240		mg/L		105	10 - 130
Benzyl alcohol	0.0500	0.04419		mg/L		88	25 - 130
Bis(2-chloroethoxy)methane	0.0500	0.05138		mg/L		103	44 - 130
Bis(2-chloroethyl)ether	0.0500	0.05044		mg/L		101	50 - 130
bis (2-Chloroisopropyl) ether	0.0500	0.06110		mg/L		122	40 - 136
Bis(2-ethylhexyl) phthalate	0.0500	0.04577		mg/L		92	52 - 133
4-Bromophenyl phenyl ether	0.0500	0.04564		mg/L		91	64 - 130

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-157920/2-A

Matrix: Water

Analysis Batch: 157980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 157920

Analyte	Spike	LCS		Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier					
Butyl benzyl phthalate	0.0500	0.04598		mg/L	92	53 - 132		
Carbazole	0.0500	0.04566		mg/L	91	48 - 138		
4-Chloroaniline	0.0500	0.04633		mg/L	93	32 - 130		
4-Chloro-3-methylphenol	0.0500	0.04449		mg/L	89	58 - 130		
2-Chloronaphthalene	0.0500	0.04090		mg/L	82	60 - 130		
2-Chlorophenol	0.0500	0.04232		mg/L	85	52 - 130		
4-Chlorophenyl phenyl ether	0.0500	0.04252		mg/L	85	61 - 130		
Chrysene	0.0500	0.04458		mg/L	89	63 - 130		
Dibenz(a,h)anthracene	0.0500	0.05301		mg/L	106	10 - 130		
Dibenzo furan	0.0500	0.04156		mg/L	83	62 - 130		
1,2-Dichlorobenzene	0.0500	0.04210		mg/L	84	59 - 130		
1,3-Dichlorobenzene	0.0500	0.04180		mg/L	84	58 - 130		
1,4-Dichlorobenzene	0.0500	0.04138		mg/L	83	57 - 130		
3,3'-Dichlorobenzidine	0.0500	0.04891		mg/L	98	40 - 140		
2,4-Dichlorophenol	0.0500	0.04184		mg/L	84	61 - 130		
Diethyl phthalate	0.0500	0.04328		mg/L	87	63 - 130		
2,4-Dimethylphenol	0.0500	0.04328		mg/L	87	49 - 130		
Dimethyl phthalate	0.0500	0.04302		mg/L	86	63 - 130		
Di-n-butyl phthalate	0.0500	0.04304		mg/L	86	60 - 130		
4,6-Dinitro-2-methylphenol	0.100	0.09253		mg/L	93	57 - 130		
2,4-Dinitrophenol	0.100	0.08539		mg/L	85	29 - 132		
2,4-Dinitrotoluene	0.0500	0.04339		mg/L	87	60 - 130		
2,6-Dinitrotoluene	0.0500	0.04370		mg/L	87	59 - 130		
Di-n-octyl phthalate	0.0500	0.04472		mg/L	89	51 - 135		
Fluoranthene	0.0500	0.04411		mg/L	88	61 - 130		
Fluorene	0.0500	0.04242		mg/L	85	64 - 130		
Hexachlorobenzene	0.0500	0.04735		mg/L	95	61 - 130		
Hexachlorobutadiene	0.0500	0.03900		mg/L	78	52 - 130		
Hexachlorocyclopentadiene	0.0500	0.03383		mg/L	68	18 - 130		
Hexachloroethane	0.0500	0.04300		mg/L	86	52 - 130		
Indeno[1,2,3-cd]pyrene	0.0500	0.04588		mg/L	92	45 - 130		
Isophorone	0.0500	0.05104		mg/L	102	54 - 130		
2-Methylnaphthalene	0.0500	0.04243		mg/L	85	62 - 130		
2-Methylphenol	0.0500	0.04095		mg/L	82	39 - 130		
3 & 4 Methylphenol	0.0500	0.04109		mg/L	82	29 - 130		
Naphthalene	0.0500	0.04188		mg/L	84	61 - 130		
2-Nitroaniline	0.0500	0.05273		mg/L	105	48 - 134		
3-Nitroaniline	0.0500	0.05146		mg/L	103	39 - 130		
4-Nitroaniline	0.0500	0.06721		mg/L	134	43 - 141		
Nitrobenzene	0.0500	0.04923		mg/L	98	55 - 130		
2-Nitrophenol	0.0500	0.04471		mg/L	89	59 - 130		
4-Nitrophenol	0.100	0.03633 J		mg/L	36	10 - 140		
N-Nitrosodimethylamine	0.0500	0.04804		mg/L	96	10 - 130		
N-Nitrosodi-n-propylamine	0.0500	0.05206		mg/L	104	52 - 130		
N-Nitrosodiphenylamine	0.100	0.08762		mg/L	88	42 - 136		
Pentachlorophenol	0.100	0.07794		mg/L	78	29 - 141		
Phenanthrene	0.0500	0.04353		mg/L	87	65 - 130		
Phenol	0.0500	0.03013		mg/L	60	10 - 130		

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-157920/2-A		Client Sample ID: Lab Control Sample						
Matrix: Water		Prep Type: Total/NA						
Analysis Batch: 157980		Prep Batch: 157920						
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Pyrene		0.0500	0.04541		mg/L		91	59 - 130
1,2,4-Trichlorobenzene		0.0500	0.04087		mg/L		82	58 - 130
2,4,5-Trichlorophenol		0.0500	0.04226		mg/L		85	51 - 130
2,4,6-Trichlorophenol		0.0500	0.04083		mg/L		82	49 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits				
2-Fluorobiphenyl		81		41 - 130				
2-Fluorophenol		70		10 - 130				
Nitrobenzene-d5		99		35 - 130				
Phenol-d5 (Surr)		54		10 - 130				
Terphenyl-d14		93		43 - 130				
2,4,6-Tribromophenol		92		12 - 138				

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-157795/1-A		Client Sample ID: Method Blank						
Matrix: Waste		Prep Type: Total/NA						
Analysis Batch: 157794		Prep Batch: 157795						
Analyte		MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared
C6-C12		3.80	U	10.0	3.80	mg/Kg		03/12/15 10:04
>C12-C28		4.06	U	10.0	4.06	mg/Kg		03/12/15 10:04
>C28-C35		4.06	U	10.0	4.06	mg/Kg		03/12/15 10:04
C6-C35		3.80	U	10.0	3.80	mg/Kg		03/12/15 10:04
Surrogate		MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed
<i>o</i> -Terphenyl		83		70 - 130			03/12/15 10:04	03/12/15 11:45

Lab Sample ID: LCS 600-157795/2-A		Client Sample ID: Lab Control Sample						
Matrix: Waste		Prep Type: Total/NA						
Analysis Batch: 157794		Prep Batch: 157795						
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
C6-C12		250	239.5		mg/Kg		96	75 - 125
>C12-C28		250	220.8		mg/Kg		88	75 - 125
C6-C35		500	460.3		mg/Kg		92	75 - 125
Surrogate		LCS %Recovery	LCS Qualifier	Limits				
<i>o</i> -Terphenyl		82		70 - 130				

Lab Sample ID: LCSD 600-157795/3-A		Client Sample ID: Lab Control Sample Dup						
Matrix: Waste		Prep Type: Total/NA						
Analysis Batch: 157794		Prep Batch: 157795						
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	RPD
C6-C12		250	233.2		mg/Kg		93	75 - 125
>C12-C28		250	223.4		mg/Kg		89	75 - 125

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCSD 600-157795/3-A

Matrix: Waste

Analysis Batch: 157794

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 157795

Analyte		Spike	LCSD	LCSD	Unit	D	%Rec.	Limits	RPD	RPD	Limit
		Added	Result	Qualifier							
C6-C35		500	456.6		mg/Kg		91	75 - 125	1	1	20
<i>Surrogate</i>											
<i>o-Terphenyl</i>	<i>LCSD</i>	<i>LCSD</i>									
	<i>%Recovery</i>	<i>Qualifier</i>		<i>Limits</i>							
	84			70 - 130							

Lab Sample ID: MB 600-158029/1-A

Matrix: Waste

Analysis Batch: 158019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 158029

Analyte		MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Result	Qualifier							
C6-C12		3.80	U	10.0	3.80	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
>C12-C28		4.06	U	10.0	4.06	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
>C28-C35		4.06	U	10.0	4.06	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
C6-C35		3.80	U	10.0	3.80	mg/Kg		03/16/15 11:59	03/16/15 13:16	1
<i>Surrogate</i>										
<i>o-Terphenyl</i>	<i>MB</i>	<i>MB</i>		<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>		<i>70 - 130</i>				03/16/15 11:59	03/16/15 13:16	1

Lab Sample ID: LCS 600-158029/2-A

Matrix: Waste

Analysis Batch: 158019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158029

Analyte		Spike	LCS	LCS	Unit	D	%Rec.	Limits	RPD
		Added	Result	Qualifier					
C6-C12		250	295.7		mg/Kg		118	75 - 125	
>C12-C28		250	277.0		mg/Kg		111	75 - 125	
C6-C35		500	572.7		mg/Kg		115	75 - 125	
<i>Surrogate</i>									
<i>o-Terphenyl</i>	<i>LCS</i>	<i>LCS</i>		<i>Limits</i>					
	<i>%Recovery</i>	<i>Qualifier</i>		<i>70 - 130</i>					

Lab Sample ID: LCSD 600-158029/3-A

Matrix: Waste

Analysis Batch: 158019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 158029

Analyte		Spike	LCSD	LCSD	Unit	D	%Rec.	Limits	RPD
		Added	Result	Qualifier					
C6-C12		250	275.6		mg/Kg		110	75 - 125	7
>C12-C28		250	259.5		mg/Kg		104	75 - 125	6
C6-C35		500	535.1		mg/Kg		107	75 - 125	7
<i>Surrogate</i>									
<i>o-Terphenyl</i>	<i>LCSD</i>	<i>LCSD</i>		<i>Limits</i>					
	<i>%Recovery</i>	<i>Qualifier</i>		<i>70 - 130</i>					

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-233898/1-A

Matrix: Waste

Analysis Batch: 233991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 233898

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.893	U	1.98	0.893	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Barium	1.59	U	1.98	1.59	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Cadmium	0.0992	U	0.992	0.0992	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Chromium	0.595	U	0.992	0.595	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Lead	0.496	U	0.992	0.496	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Selenium	0.992	U	1.98	0.992	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Silver	0.496	U	0.992	0.496	mg/Kg		03/16/15 11:10	03/16/15 14:03	1
Sodium	99.2	U	198	99.2	mg/Kg		03/16/15 11:10	03/16/15 14:03	1

Lab Sample ID: MB 490-233898/1-A

Matrix: Waste

Analysis Batch: 234038

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 233898

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfur	19.8	U	49.6	19.8	mg/Kg		03/16/15 11:10	03/16/15 22:30	1

Lab Sample ID: LCS 490-233898/2-A

Matrix: Waste

Analysis Batch: 233991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 233898

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
	Added	Result							
Arsenic	19.7	18.60			mg/Kg		95	80 - 120	
Barium	787	793.3			mg/Kg		101	80 - 120	
Cadmium	19.7	18.90			mg/Kg		96	80 - 120	
Chromium	78.7	81.67			mg/Kg		104	80 - 120	
Lead	19.7	20.14			mg/Kg		102	80 - 120	
Selenium	19.7	18.41			mg/Kg		94	80 - 120	
Silver	19.7	16.95			mg/Kg		86	80 - 120	
Sodium	1970	1876			mg/Kg		95	80 - 120	

Lab Sample ID: LCS 490-233898/2-A

Matrix: Waste

Analysis Batch: 234038

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 233898

Analyte	Spike		LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
	Added	Result							
Sulfur	394	347.8			mg/Kg		88	80 - 120	

Lab Sample ID: LCSD 490-233898/3-A

Matrix: Waste

Analysis Batch: 233991

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 233898

Analyte	Spike		LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Added	Result								
Arsenic	19.7	17.97			mg/Kg		91	80 - 120	3	20
Barium	787	789.2			mg/Kg		100	80 - 120	1	20
Cadmium	19.7	18.80			mg/Kg		96	80 - 120	1	20
Chromium	78.7	81.36			mg/Kg		103	80 - 120	0	20
Lead	19.7	19.80			mg/Kg		101	80 - 120	2	20
Selenium	19.7	18.86			mg/Kg		96	80 - 120	2	20
Silver	19.7	16.97			mg/Kg		86	80 - 120	0	20

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 490-233898/3-A

Matrix: Waste

Analysis Batch: 233991

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 233898

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec.	%Limits	RPD	RPD Limit
		Result	Qualifier						
Sodium	1970	1860		mg/Kg		94	80 - 120	1	20

Lab Sample ID: LCSD 490-233898/3-A

Matrix: Waste

Analysis Batch: 234038

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 233898

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec.	%Limits	RPD	RPD Limit
		Result	Qualifier						
Sulfur	394	344.7		mg/Kg		88	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 600-158392/7-A

Matrix: Waste

Analysis Batch: 158432

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 158392

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				0.00336	mg/Kg				
Mercury	0.00336	U			0.0159	0.00336	mg/Kg		03/20/15 08:45	03/20/15 10:47	1

Lab Sample ID: LCSSRM 600-158392/8-A ^50

Matrix: Waste

Analysis Batch: 158432

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158392

Analyte	Spike Added	LCSSRM	LCSSRM	Unit	D	%Rec.	Limits	RPD	Limit
		Result	Qualifier						
Mercury	5.76	6.910		mg/Kg		120.0	71.2 - 128.	6	

Lab Sample ID: 600-107928-4 MS

Matrix: Waste

Analysis Batch: 158432

Client Sample ID: 2020T-Acid 14

Prep Type: Total/NA

Prep Batch: 158392

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier				
Mercury	0.00354	J	0.234	0.1880		mg/Kg		79	75 - 125

Lab Sample ID: 600-107928-4 DU

Matrix: Waste

Analysis Batch: 158432

Client Sample ID: 2020T-Acid 14

Prep Type: Total/NA

Prep Batch: 158392

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Mercury	0.00354	J	0.004670	J F5	mg/Kg		27	20

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: MB 600-158067/1

Matrix: Waste

Analysis Batch: 158067

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				1.00	Degrees F				
Flashpoint	>186					1.00	Degrees F			03/16/15 07:50	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method (Continued)

Lab Sample ID: LCS 600-158067/2

Matrix: Waste

Analysis Batch: 158067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
Flashpoint	81.0	82.00		Degrees F	101	96.9 - 103. 1 09	

Lab Sample ID: 600-107928-5 DU

Matrix: Waste

Analysis Batch: 158067

Client Sample ID: PT6 Acid
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD
	Result	Qualifier	Result	Qualifier			
Flashpoint	>186		>186		Degrees F	NC	20

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 600-158018/1-A

Matrix: Waste

Analysis Batch: 158018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158018

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cyanide, Reactive	0.0855	U	0.250	0.0855	mg/Kg		03/16/15 07:30	03/17/15 16:28	1

Lab Sample ID: LCS 600-158018/2-A

Matrix: Waste

Analysis Batch: 158018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158018

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Cyanide, Reactive	1000	145.8		mg/Kg	15	0 - 200	

Lab Sample ID: 600-107928-5 MS

Matrix: Waste

Analysis Batch: 158018

Client Sample ID: PT6 Acid
Prep Type: Total/NA
Prep Batch: 158018

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec
	Result	Qualifier	Added	Result	Qualifier			
Cyanide, Reactive	0.0847	U	996	91.53		mg/Kg	9	0 - 200

Lab Sample ID: 600-107928-5 DU

Matrix: Waste

Analysis Batch: 158018

Client Sample ID: PT6 Acid
Prep Type: Total/NA
Prep Batch: 158018

Analyte	Sample	Sample	DU	DU	Unit	D	RPD
	Result	Qualifier	Result	Qualifier			
Cyanide, Reactive	0.0847	U	0.0848	U	mg/Kg	NC	20

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 600-158018/1-A

Matrix: Waste

Analysis Batch: 158177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158018

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfide, Reactive	14.0	U	50.0	14.0	mg/Kg		03/16/15 07:30	03/17/15 16:30	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 600-158018/3-A

Matrix: Waste

Analysis Batch: 158177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158018

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier					
Sulfide, Reactive	1000	190.0			mg/Kg		19	0 - 200

Lab Sample ID: 600-107928-5 MS

Matrix: Waste

Analysis Batch: 158177

Client Sample ID: PT6 Acid

Prep Type: Total/NA

Prep Batch: 158018

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Sulfide, Reactive	19.8	J	994	129.1		mg/Kg		11	0 - 200

Lab Sample ID: 600-107928-5 DU

Matrix: Waste

Analysis Batch: 158177

Client Sample ID: PT6 Acid

Prep Type: Total/NA

Prep Batch: 158018

Analyte	Sample	Sample	Spike	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				
Sulfide, Reactive	19.8	J		19.84	J	mg/Kg		0.2	20

Method: 9040B - pH

Lab Sample ID: LCS 600-158068/1

Matrix: Waste

Analysis Batch: 158068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier					
pH	7.00	6.990			SU		100	99 - 101

Method: 9056 - Total Halogens(Bomb Calorimeter followed by IC)

Lab Sample ID: MB 400-250088/1-A

Client Sample ID: Method Blank

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 250164

Prep Batch: 250088

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Halogens	195	U	195	195	mg/Kg		03/16/15 11:34	03/17/15 13:48	1
Chloride	195	U	195	195	mg/Kg		03/16/15 11:34	03/17/15 13:48	1
Fluoride	38.9	U	38.9	38.9	mg/Kg		03/16/15 11:34	03/17/15 13:48	1
Bromide	195	U	195	195	mg/Kg		03/16/15 11:34	03/17/15 13:48	1

Lab Sample ID: LCS 400-250088/2-A

Client Sample ID: Lab Control Sample

Matrix: Waste

Prep Type: Total/NA

Analysis Batch: 250164

Prep Batch: 250088

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier					
Total Halogens	2900	2300			mg/Kg		79	60 - 140
Chloride	968	885.5			mg/Kg		91	60 - 140
Fluoride	968	675.4			mg/Kg		70	60 - 140
Bromide	968	738.7			mg/Kg		76	60 - 140

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Method: 9056 - Total Halogens(Bomb Calorimeter followed by IC) (Continued)

Lab Sample ID: 600-107928-1 MS

Matrix: Waste

Analysis Batch: 250164

Client Sample ID: 4048M-NL2

Prep Type: Total/NA

Prep Batch: 250088

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Total Halogens	1220	F1	321	634.2	F1	mg/Kg	-183	60 - 140	
Chloride	1220		107	634.2	4	mg/Kg	-550	60 - 140	
Fluoride	21.1	U F1	107	21.4	U F1	mg/Kg	0	60 - 140	
Bromide	105	U	107	107	U	mg/Kg	NC	60 - 140	

Lab Sample ID: 600-107928-1 MSD

Matrix: Waste

Analysis Batch: 250164

Client Sample ID: 4048M-NL2

Prep Type: Total/NA

Prep Batch: 250088

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Total Halogens	1220	F1	314	762.1	F1	mg/Kg	-146	60 - 140	18	30	
Chloride	1220		105	762.1	4	mg/Kg	-440	60 - 140	18	30	
Fluoride	21.1	U F1	105	20.9	U F1	mg/Kg	0	60 - 140	NC	30	
Bromide	105	U	105	105	U	mg/Kg	NC	60 - 140	NC	30	

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

GC/MS VOA

Analysis Batch: 157996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	8260B	158002
600-107928-2	4047M-Acid 6	Total/NA	Waste	8260B	158002
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	8260B	158002
600-107928-3	4046M-Acid 7	Total/NA	Waste	8260B	158002
600-107928-4	2020T-Acid 14	Total/NA	Waste	8260B	158002
600-107928-5	PT6 Acid	Total/NA	Waste	8260B	158002
600-107928-6	RO2 Acid	Total/NA	Waste	8260B	158002
600-107928-7	5013T Base CN 19	Total/NA	Waste	8260B	158002
LCS 600-158002/1-A	Lab Control Sample	Total/NA	Waste	8260B	158002
LCSD 600-158002/2-A	Lab Control Sample Dup	Total/NA	Waste	8260B	158002
MB 600-158002/3-A	Method Blank	Total/NA	Waste	8260B	158002

Prep Batch: 158002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	5030B	11
600-107928-2	4047M-Acid 6	Total/NA	Waste	5030B	12
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	5030B	13
600-107928-3	4046M-Acid 7	Total/NA	Waste	5030B	14
600-107928-4	2020T-Acid 14	Total/NA	Waste	5030B	
600-107928-5	PT6 Acid	Total/NA	Waste	5030B	
600-107928-6	RO2 Acid	Total/NA	Waste	5030B	
600-107928-7	5013T Base CN 19	Total/NA	Waste	5030B	
LCS 600-158002/1-A	Lab Control Sample	Total/NA	Waste	5030B	
LCSD 600-158002/2-A	Lab Control Sample Dup	Total/NA	Waste	5030B	
MB 600-158002/3-A	Method Blank	Total/NA	Waste	5030B	

GC/MS Semi VOA

Prep Batch: 157920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-8	4048M-NL2	Total/NA	Water	3510C	
600-107928-9	4047M-Acid 6	Total/NA	Water	3510C	
600-107928-10	4046M-Acid 7	Total/NA	Water	3510C	
600-107928-11	2020T-Acid 14	Total/NA	Water	3510C	
600-107928-12	PT6 Acid	Total/NA	Water	3510C	
600-107928-13	RO2 Acid	Total/NA	Water	3510C	
600-107928-14 - DL	5013T Base CN 19	Total/NA	Water	3510C	
600-107928-14	5013T Base CN 19	Total/NA	Water	3510C	
LCS 600-157920/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-157920/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 157980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-8	4048M-NL2	Total/NA	Water	8270C	157920
600-107928-9	4047M-Acid 6	Total/NA	Water	8270C	157920
600-107928-10	4046M-Acid 7	Total/NA	Water	8270C	157920
600-107928-11	2020T-Acid 14	Total/NA	Water	8270C	157920
600-107928-12	PT6 Acid	Total/NA	Water	8270C	157920
600-107928-13	RO2 Acid	Total/NA	Water	8270C	157920
600-107928-14	5013T Base CN 19	Total/NA	Water	8270C	157920

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

GC/MS Semi VOA (Continued)

Analysis Batch: 157980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 600-157920/2-A	Lab Control Sample	Total/NA	Water	8270C	157920
MB 600-157920/1-A	Method Blank	Total/NA	Water	8270C	157920

Analysis Batch: 158080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-14 - DL	5013T Base CN 19	Total/NA	Water	8270C	157920

GC Semi VOA

Analysis Batch: 157794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	TX 1005	157795
600-107928-3 - DL	4046M-Acid 7	Total/NA	Waste	TX 1005	157795
600-107928-3 - DL2	4046M-Acid 7	Total/NA	Waste	TX 1005	157795
LCS 600-157795/2-A	Lab Control Sample	Total/NA	Waste	TX 1005	157795
LCSD 600-157795/3-A	Lab Control Sample Dup	Total/NA	Waste	TX 1005	157795
MB 600-157795/1-A	Method Blank	Total/NA	Waste	TX 1005	157795

Prep Batch: 157795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-2 - DL	4047M-Acid 6	Total/NA	Waste	TX_1005_S_Pre	
600-107928-3 - DL2	4046M-Acid 7	Total/NA	Waste	TX_1005_S_Pre	p
600-107928-3 - DL	4046M-Acid 7	Total/NA	Waste	TX_1005_S_Pre	p
LCS 600-157795/2-A	Lab Control Sample	Total/NA	Waste	TX_1005_S_Pre	p
LCSD 600-157795/3-A	Lab Control Sample Dup	Total/NA	Waste	TX_1005_S_Pre	p
MB 600-157795/1-A	Method Blank	Total/NA	Waste	TX_1005_S_Pre	p

Analysis Batch: 158019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	TX 1005	158029
600-107928-4	2020T-Acid 14	Total/NA	Waste	TX 1005	158029
600-107928-5	PT6 Acid	Total/NA	Waste	TX 1005	158029
600-107928-6	RO2 Acid	Total/NA	Waste	TX 1005	158029
600-107928-7	5013T Base CN 19	Total/NA	Waste	TX 1005	158029
LCS 600-158029/2-A	Lab Control Sample	Total/NA	Waste	TX 1005	158029
LCSD 600-158029/3-A	Lab Control Sample Dup	Total/NA	Waste	TX 1005	158029
MB 600-158029/1-A	Method Blank	Total/NA	Waste	TX 1005	158029

Prep Batch: 158029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	TX_1005_S_Pre	
600-107928-4	2020T-Acid 14	Total/NA	Waste	TX_1005_S_Pre	p
600-107928-5	PT6 Acid	Total/NA	Waste	TX_1005_S_Pre	p

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

GC Semi VOA (Continued)

Prep Batch: 158029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-6	RO2 Acid	Total/NA	Waste	TX_1005_S_Pre p	5
600-107928-7	5013T Base CN 19	Total/NA	Waste	TX_1005_S_Pre p	6
LCS 600-158029/2-A	Lab Control Sample	Total/NA	Waste	TX_1005_S_Pre p	7
LCSD 600-158029/3-A	Lab Control Sample Dup	Total/NA	Waste	TX_1005_S_Pre p	8
MB 600-158029/1-A	Method Blank	Total/NA	Waste	TX_1005_S_Pre p	9

Metals

Prep Batch: 158392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	7471A	11
600-107928-2	4047M-Acid 6	Total/NA	Waste	7471A	12
600-107928-3	4046M-Acid 7	Total/NA	Waste	7471A	
600-107928-4	2020T-Acid 14	Total/NA	Waste	7471A	13
600-107928-4 DU	2020T-Acid 14	Total/NA	Waste	7471A	
600-107928-4 MS	2020T-Acid 14	Total/NA	Waste	7471A	14
600-107928-5	PT6 Acid	Total/NA	Waste	7471A	
600-107928-6	RO2 Acid	Total/NA	Waste	7471A	
600-107928-7	5013T Base CN 19	Total/NA	Waste	7471A	
LCSSRM 600-158392/8-A ^50	Lab Control Sample	Total/NA	Waste	7471A	
MB 600-158392/7-A	Method Blank	Total/NA	Waste	7471A	

Analysis Batch: 158432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	7471A	158392
600-107928-2	4047M-Acid 6	Total/NA	Waste	7471A	158392
600-107928-3	4046M-Acid 7	Total/NA	Waste	7471A	158392
600-107928-4	2020T-Acid 14	Total/NA	Waste	7471A	158392
600-107928-4 DU	2020T-Acid 14	Total/NA	Waste	7471A	158392
600-107928-4 MS	2020T-Acid 14	Total/NA	Waste	7471A	158392
600-107928-5	PT6 Acid	Total/NA	Waste	7471A	158392
600-107928-6	RO2 Acid	Total/NA	Waste	7471A	158392
600-107928-7	5013T Base CN 19	Total/NA	Waste	7471A	158392
LCSSRM 600-158392/8-A ^50	Lab Control Sample	Total/NA	Waste	7471A	158392
MB 600-158392/7-A	Method Blank	Total/NA	Waste	7471A	158392

Prep Batch: 233898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	3051A	
600-107928-2	4047M-Acid 6	Total/NA	Waste	3051A	
600-107928-3	4046M-Acid 7	Total/NA	Waste	3051A	
600-107928-4	2020T-Acid 14	Total/NA	Waste	3051A	
600-107928-5	PT6 Acid	Total/NA	Waste	3051A	
600-107928-6	RO2 Acid	Total/NA	Waste	3051A	
600-107928-7	5013T Base CN 19	Total/NA	Waste	3051A	
LCS 490-233898/2-A	Lab Control Sample	Total/NA	Waste	3051A	
LCSD 490-233898/3-A	Lab Control Sample Dup	Total/NA	Waste	3051A	

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Metals (Continued)

Prep Batch: 233898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-233898/1-A	Method Blank	Total/NA	Waste	3051A	

Analysis Batch: 233991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	6010B	233898
600-107928-2	4047M-Acid 6	Total/NA	Waste	6010B	233898
600-107928-3	4046M-Acid 7	Total/NA	Waste	6010B	233898
600-107928-4	2020T-Acid 14	Total/NA	Waste	6010B	233898
600-107928-5	PT6 Acid	Total/NA	Waste	6010B	233898
600-107928-6	RO2 Acid	Total/NA	Waste	6010B	233898
600-107928-7	5013T Base CN 19	Total/NA	Waste	6010B	233898
LCS 490-233898/2-A	Lab Control Sample	Total/NA	Waste	6010B	233898
LCSD 490-233898/3-A	Lab Control Sample Dup	Total/NA	Waste	6010B	233898
MB 490-233898/1-A	Method Blank	Total/NA	Waste	6010B	233898

Analysis Batch: 234038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	6010B	233898
600-107928-2	4047M-Acid 6	Total/NA	Waste	6010B	233898
600-107928-3	4046M-Acid 7	Total/NA	Waste	6010B	233898
600-107928-4	2020T-Acid 14	Total/NA	Waste	6010B	233898
600-107928-5	PT6 Acid	Total/NA	Waste	6010B	233898
600-107928-6	RO2 Acid	Total/NA	Waste	6010B	233898
600-107928-7	5013T Base CN 19	Total/NA	Waste	6010B	233898
LCS 490-233898/2-A	Lab Control Sample	Total/NA	Waste	6010B	233898
LCSD 490-233898/3-A	Lab Control Sample Dup	Total/NA	Waste	6010B	233898
MB 490-233898/1-A	Method Blank	Total/NA	Waste	6010B	233898

General Chemistry

Analysis Batch: 113932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	D1796	
600-107928-2	4047M-Acid 6	Total/NA	Waste	D1796	
600-107928-3	4046M-Acid 7	Total/NA	Waste	D1796	
600-107928-4	2020T-Acid 14	Total/NA	Waste	D1796	
600-107928-5	PT6 Acid	Total/NA	Waste	D1796	
600-107928-6	RO2 Acid	Total/NA	Waste	D1796	
600-107928-7	5013T Base CN 19	Total/NA	Waste	D1796	

Prep Batch: 158018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	7.3.4	
600-107928-2	4047M-Acid 6	Total/NA	Waste	7.3.4	
600-107928-3	4046M-Acid 7	Total/NA	Waste	7.3.4	
600-107928-4	2020T-Acid 14	Total/NA	Waste	7.3.4	
600-107928-5	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-5 DU	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-5 MS	PT6 Acid	Total/NA	Waste	7.3.4	
600-107928-5 MS	PT6 Acid	Total/NA	Waste	7.3.4	

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

General Chemistry (Continued)

Prep Batch: 158018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-6	RO2 Acid	Total/NA	Waste	7.3.4	
600-107928-7	5013T Base CN 19	Total/NA	Waste	7.3.4	
LCS 600-158018/2-A	Lab Control Sample	Total/NA	Waste	7.3.4	
LCS 600-158018/3-A	Lab Control Sample	Total/NA	Waste	7.3.4	
MB 600-158018/1-A	Method Blank	Total/NA	Waste	7.3.4	

Analysis Batch: 158067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	1010	
600-107928-2	4047M-Acid 6	Total/NA	Waste	1010	
600-107928-3	4046M-Acid 7	Total/NA	Waste	1010	
600-107928-4	2020T-Acid 14	Total/NA	Waste	1010	
600-107928-5	PT6 Acid	Total/NA	Waste	1010	
600-107928-5 DU	PT6 Acid	Total/NA	Waste	1010	
600-107928-6	RO2 Acid	Total/NA	Waste	1010	
600-107928-7	5013T Base CN 19	Total/NA	Waste	1010	
LCS 600-158067/2	Lab Control Sample	Total/NA	Waste	1010	
MB 600-158067/1	Method Blank	Total/NA	Waste	1010	

Analysis Batch: 158068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9040B	
600-107928-2	4047M-Acid 6	Total/NA	Waste	9040B	
600-107928-3	4046M-Acid 7	Total/NA	Waste	9040B	
600-107928-4	2020T-Acid 14	Total/NA	Waste	9040B	
600-107928-5	PT6 Acid	Total/NA	Waste	9040B	
600-107928-6	RO2 Acid	Total/NA	Waste	9040B	
600-107928-7	5013T Base CN 19	Total/NA	Waste	9040B	
LCS 600-158068/1	Lab Control Sample	Total/NA	Waste	9040B	

Analysis Batch: 158177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9034	158018
600-107928-2	4047M-Acid 6	Total/NA	Waste	9034	158018
600-107928-3	4046M-Acid 7	Total/NA	Waste	9034	158018
600-107928-4	2020T-Acid 14	Total/NA	Waste	9034	158018
600-107928-5	PT6 Acid	Total/NA	Waste	9034	158018
600-107928-5 DU	PT6 Acid	Total/NA	Waste	9034	158018
600-107928-5 MS	PT6 Acid	Total/NA	Waste	9034	158018
600-107928-6	RO2 Acid	Total/NA	Waste	9034	158018
600-107928-7	5013T Base CN 19	Total/NA	Waste	9034	158018
LCS 600-158018/3-A	Lab Control Sample	Total/NA	Waste	9034	158018
MB 600-158018/1-A	Method Blank	Total/NA	Waste	9034	158018

Analysis Batch: 158181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9012	158018
600-107928-2	4047M-Acid 6	Total/NA	Waste	9012	158018
600-107928-3	4046M-Acid 7	Total/NA	Waste	9012	158018
600-107928-4	2020T-Acid 14	Total/NA	Waste	9012	158018
600-107928-5	PT6 Acid	Total/NA	Waste	9012	158018

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

General Chemistry (Continued)

Analysis Batch: 158181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-5 DU	PT6 Acid	Total/NA	Waste	9012	158018
600-107928-5 MS	PT6 Acid	Total/NA	Waste	9012	158018
600-107928-6	RO2 Acid	Total/NA	Waste	9012	158018
600-107928-7	5013T Base CN 19	Total/NA	Waste	9012	158018
LCS 600-158018/2-A	Lab Control Sample	Total/NA	Waste	9012	158018
MB 600-158018/1-A	Method Blank	Total/NA	Waste	9012	158018

Prep Batch: 250088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	5050	9
600-107928-1 MS	4048M-NL2	Total/NA	Waste	5050	10
600-107928-1 MSD	4048M-NL2	Total/NA	Waste	5050	11
600-107928-2	4047M-Acid 6	Total/NA	Waste	5050	12
600-107928-3	4046M-Acid 7	Total/NA	Waste	5050	13
600-107928-4	2020T-Acid 14	Total/NA	Waste	5050	14
600-107928-5	PT6 Acid	Total/NA	Waste	5050	
600-107928-6	RO2 Acid	Total/NA	Waste	5050	
600-107928-7	5013T Base CN 19	Total/NA	Waste	5050	
LCS 400-250088/2-A	Lab Control Sample	Total/NA	Waste	5050	
MB 400-250088/1-A	Method Blank	Total/NA	Waste	5050	

Analysis Batch: 250164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-107928-1	4048M-NL2	Total/NA	Waste	9056	250088
600-107928-1 MS	4048M-NL2	Total/NA	Waste	9056	250088
600-107928-1 MSD	4048M-NL2	Total/NA	Waste	9056	250088
600-107928-2	4047M-Acid 6	Total/NA	Waste	9056	250088
600-107928-3	4046M-Acid 7	Total/NA	Waste	9056	250088
600-107928-4	2020T-Acid 14	Total/NA	Waste	9056	250088
600-107928-5	PT6 Acid	Total/NA	Waste	9056	250088
600-107928-6	RO2 Acid	Total/NA	Waste	9056	250088
600-107928-7	5013T Base CN 19	Total/NA	Waste	9056	250088
LCS 400-250088/2-A	Lab Control Sample	Total/NA	Waste	9056	250088
MB 400-250088/1-A	Method Blank	Total/NA	Waste	9056	250088

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4048M-NL2

Date Collected: 03/10/15 13:45

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-1

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 14:48	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.00 g	10.00 mL	158019	03/17/15 23:41	JPS	TAL HOU
Total/NA	Prep	3051A			0.500 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.500 g	100 mL	233991	03/16/15 14:56	LEG	TAL NSH
Total/NA	Prep	3051A			0.500 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.500 g	100 mL	234038	03/16/15 23:13	LEG	TAL NSH
Total/NA	Prep	7471A			0.61 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.61 g	50 mL	158432	03/20/15 10:50	SCG	TAL HOU
Total/NA	Analysis	1010			1		158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			9.97 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	9.97 g	250 mL	158181	03/17/15 16:35	BDG	TAL HOU
Total/NA	Prep	7.3.4			9.97 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	9.97 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.9489 g	100 mL	250088	03/16/15 12:17	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.9489 g	100 mL	250164	03/17/15 14:34	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 4047M-Acid 6

Date Collected: 03/10/15 13:55

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-2

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 15:12	KLV	TAL HOU
Total/NA	Prep	5030B	DL		1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B	DL	5	1 g	10 mL	157996	03/16/15 17:38	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		01.00 g	10.00 mL	157795	03/12/15 10:04	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	10	01.00 g	10.00 mL	157794	03/13/15 01:12	RJV	TAL HOU
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	233991	03/16/15 15:00	LEG	TAL NSH
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	234038	03/16/15 23:18	LEG	TAL NSH
Total/NA	Prep	7471A			0.61 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		10	0.61 g	50 mL	158432	03/20/15 11:44	SCG	TAL HOU
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.20 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.20 g	250 mL	158181	03/17/15 16:33	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.20 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.20 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 4047M-Acid 6

Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-2

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5050			0.7260 g	100 mL	250088	03/16/15 12:51	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.7260 g	100 mL	250164	03/17/15 15:43	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 4046M-Acid 7

Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-3

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 15:37	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL		01.00 g	10.00 mL	157795	03/12/15 10:04	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL	50	01.00 g	10.00 mL	157794	03/12/15 14:26	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep	DL2		01.00 g	10.00 mL	157795	03/12/15 10:04	NVP	TAL HOU
Total/NA	Analysis	TX 1005	DL2	10	01.00 g	10.00 mL	157794	03/13/15 01:45	RJV	TAL HOU
Total/NA	Prep	3051A			0.511 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.511 g	100 mL	233991	03/16/15 15:04	LEG	TAL NSH
Total/NA	Prep	3051A			0.511 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.511 g	100 mL	234038	03/16/15 23:22	LEG	TAL NSH
Total/NA	Prep	7471A			0.62 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.62 g	50 mL	158432	03/20/15 10:55	SCG	TAL HOU
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.12 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.12 g	250 mL	158181	03/17/15 16:32	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.12 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.12 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.6752 g	100 mL	250088	03/16/15 13:12	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.6752 g	100 mL	250164	03/17/15 16:06	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 2020T-Acid 14

Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-4

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 16:01	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.01 g	10.00 mL	158019	03/17/15 00:13	JPS	TAL HOU
Total/NA	Prep	3051A			0.521 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.521 g	100 mL	233991	03/16/15 15:09	LEG	TAL NSH
Total/NA	Prep	3051A			0.521 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 2020T-Acid 14

Date Collected: 03/10/15 14:15

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-4

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	0.521 g	100 mL	234038	03/16/15 23:27	LEG	TAL NSH
Total/NA	Prep	7471A			0.62 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.62 g	50 mL	158432	03/20/15 10:56	SCG	TAL HOU
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.08 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.08 g	250 mL	158181	03/17/15 16:32	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.08 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.08 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.9635 g	100 mL	250088	03/16/15 13:22	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.9635 g	100 mL	250164	03/17/15 16:28	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: PT6 Acid

Date Collected: 03/10/15 14:25

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-5

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 16:25	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.00 g	10.00 mL	158019	03/17/15 01:17	JPS	TAL HOU
Total/NA	Prep	3051A			0.496 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.496 g	100 mL	233991	03/16/15 15:13	LEG	TAL NSH
Total/NA	Prep	3051A			0.496 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.496 g	100 mL	234038	03/16/15 23:31	LEG	TAL NSH
Total/NA	Prep	7471A			0.66 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.66 g	50 mL	158432	03/20/15 11:02	SCG	TAL HOU
Total/NA	Analysis	1010		1			158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.10 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.10 g	250 mL	158181	03/17/15 16:29	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.10 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.10 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.9528 g	100 mL	250088	03/16/15 13:35	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.9528 g	100 mL	250164	03/17/15 16:51	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid

Date Collected: 03/10/15 14:35

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-6

Matrix: Waste

Prep Type	Batch	Batch	Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 16:49	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.00 g	10.00 mL	158019	03/17/15 01:48	JPS	TAL HOU
Total/NA	Prep	3051A			0.525 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.525 g	100 mL	233991	03/16/15 15:27	LEG	TAL NSH
Total/NA	Prep	3051A			0.525 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.525 g	100 mL	234038	03/16/15 23:36	LEG	TAL NSH
Total/NA	Prep	7471A			0.61 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.61 g	50 mL	158432	03/20/15 11:04	SCG	TAL HOU
Total/NA	Analysis	1010			1		158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.05 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.05 g	250 mL	158181	03/17/15 16:31	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.05 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.05 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.7463 g	100 mL	250088	03/16/15 13:45	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.7463 g	100 mL	250164	03/17/15 17:14	TAJ	TAL PEN
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 5013T Base CN 19

Date Collected: 03/10/15 14:45

Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-7

Matrix: Waste

Prep Type	Batch	Batch	Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			1 g	10 mL	158002	03/16/15 10:00	KLV	TAL HOU
Total/NA	Analysis	8260B		1	1 g	10 mL	157996	03/16/15 17:13	KLV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10.00 mL	158029	03/16/15 14:32	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	10.02 g	10.00 mL	158019	03/17/15 02:20	JPS	TAL HOU
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	233991	03/16/15 15:32	LEG	TAL NSH
Total/NA	Prep	3051A			0.510 g	100 mL	233898	03/16/15 11:10	NJB	TAL NSH
Total/NA	Analysis	6010B		1	0.510 g	100 mL	234038	03/16/15 23:40	LEG	TAL NSH
Total/NA	Prep	7471A			0.61 g	50 mL	158392	03/20/15 08:45	SCG	TAL HOU
Total/NA	Analysis	7471A		1	0.61 g	50 mL	158432	03/20/15 11:09	SCG	TAL HOU
Total/NA	Analysis	1010			1		158067	03/16/15 07:50	MJB	TAL HOU
Total/NA	Prep	7.3.4			10.13 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9012		1	10.13 g	250 mL	158181	03/17/15 16:33	BDG	TAL HOU
Total/NA	Prep	7.3.4			10.13 g	250 mL	158018	03/16/15 07:30	MJB	TAL HOU
Total/NA	Analysis	9034		1	10.13 g	250 mL	158177	03/17/15 16:30	BDG	TAL HOU
Total/NA	Analysis	9040B		1		20 mL	158068	03/16/15 13:12	MJB	TAL HOU
Total/NA	Prep	5050			0.7192 g	100 mL	250088	03/16/15 13:54	KJR	TAL PEN
Total/NA	Analysis	9056		1	0.7192 g	100 mL	250164	03/17/15 18:23	TAJ	TAL PEN

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: 5013T Base CN 19

Date Collected: 03/10/15 14:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-7

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D1796		1	100 mL	100 mL	113932	03/17/15 15:00	EDR	TAL CC

Client Sample ID: 4048M-NL2

Date Collected: 03/10/15 13:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	10 mL	1.0 mL	157980	03/16/15 12:39	KP1	TAL HOU

Client Sample ID: 4047M-Acid 6

Date Collected: 03/10/15 13:55
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	25 mL	1.0 mL	157980	03/16/15 13:12	KP1	TAL HOU

Client Sample ID: 4046M-Acid 7

Date Collected: 03/10/15 14:05
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	2.5 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		20	25 mL	2.5 mL	157980	03/16/15 13:45	KP1	TAL HOU

Client Sample ID: 2020T-Acid 14

Date Collected: 03/10/15 14:15
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	10 mL	1.0 mL	157980	03/16/15 14:18	KP1	TAL HOU

Client Sample ID: PT6 Acid

Date Collected: 03/10/15 14:25
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	25 mL	1.0 mL	157980	03/16/15 14:51	KP1	TAL HOU

TestAmerica Houston

Lab Chronicle

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Client Sample ID: RO2 Acid

Date Collected: 03/10/15 14:35
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			25 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	25 mL	1.0 mL	157980	03/16/15 15:24	KP1	TAL HOU

Client Sample ID: 5013T Base CN 19

Date Collected: 03/10/15 14:45
Date Received: 03/10/15 16:47

Lab Sample ID: 600-107928-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C		10	10 mL	1.0 mL	157980	03/16/15 15:57	KP1	TAL HOU
Total/NA	Prep	3510C	DL		10 mL	1.0 mL	157920	03/13/15 12:58	RLK	TAL HOU
Total/NA	Analysis	8270C	DL	50	10 mL	1.0 mL	158080	03/17/15 10:23	KP1	TAL HOU

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Certification Summary

Client: CB&I Federal Services LLC
 Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Laboratory: TestAmerica Houston

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704223	10-31-15
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
8260B	5030B	Waste	1,2-Dichloroethene, Total	
8270C	3510C	Water	3 & 4 Methylphenol	
9012	7.3.4	Waste	Cyanide, Reactive	
9034	7.3.4	Waste	Sulfide, Reactive	
TX 1005	TX_1005_S_Prep	Waste	>C12-C28	
TX 1005	TX_1005_S_Prep	Waste	>C28-C35	
TX 1005	TX_1005_S_Prep	Waste	C6-C12	

Laboratory: TestAmerica Corpus Christi

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704210	03-31-15

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704077	08-31-15
The following analytes are included in this report, but certification is not offered by the governing authority:				
Analysis Method	Prep Method	Matrix	Analyte	
6010B	3051A	Waste	Sulfur	

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	03-31-15
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15

Certification Summary

Client: CB&I Federal Services LLC
Project/Site: OT Roll Offs

TestAmerica Job ID: 600-107928-1

Laboratory: TestAmerica Pensacola (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-15
West Virginia DEP	State Program	3	136	06-30-15

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TestAmerica Houston

TestAmerica Houston

6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Client Information	Sampler Daniel Tighe	Lab PM: Joiner, Dean A
Client Contact: LeRoy Cassidy	Phone: 469.446.8408	E-Mail: dean.joiner@testamericanc.com
Company: CB&I Federal Services LLC		
Address: PO BOX 98519	Due Date Requested:	
City: Baton Rouge	TAT Requested (days): 5 WD Level 2	
State, Zip: LA 70884		
Phone: 469.446.8408	PO #: CB&I Federal Services 201241	
Email: leroy.cassidy@CBIFederalServices.com	WO #: Contract EP-S8-07-02 Task Order 62	
Project Name: CB&I Federal Services LLC - Houston	Project #: *** 60005919	
Site: CES Environmental Services	SSOW#:	



600-107928 Chain of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

COC No:
600-32414-10868.1 3-10-2015
Page:
Page 1 of 1

Job #:

Preservation Codes:

A - HCl	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)
Other:	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=Oil, B=Biological, A=Air)	Field Filled Sample Dates (Do Not Fill In Laboratory Dates)												Special Instructions/Note:
					Total VOA	Total SWOA	Total SWB	Total SWC	Total SWD	Total SWE	Total SWF	Total SWG	Total SWH	Total SWI	Total SWJ	Total SWK	
4048M-NL2	3/10/15	1345	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	***Copy Job # 103547
4047M-Acid 6	3/10/15	1355	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
4046M-Acid 7	3/10/15	1405	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
2020T-Acid14	3/10/15	1415	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
PT6 Acid	3/10/15	1425	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
RO2 Acid	3/10/15	1435	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
10-Acid-OX1	3/10/15		G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
12-Acid OXI	3/10/15		G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
16-Base-LIQ	3/10/15		G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
17-Base LIQ	3/10/15		G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
18-Base-Solid	3/10/15		G	Solid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid
5013T Base CN 19	3/10/15	1445	G	Liquid	X	X	X	X	X	X	X	X	X	X	X	X	Please pour off 250 ml and preserve with Nitric Acid

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Waste Sample for Waste Characterization.

Empty Kit Relinquished by:

Relinquished by: 	Date/Time: 3/10/15 /1600	Company	Received by: 	Date/Time: 3/10/15 1600	Company
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Relinquished by: 	Date/Time:	Company	Received by:	Date/Time:	Company
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Relinquished by: 	Date/Time: 3/10/15 11:42	Company	Received by:	Date/Time:	Company
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Custody Seals Intact Custody Seal No.:
 Yes No

Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston

Loc: 600
107928

Sample Re

klist

TestAmerica
 INNOVATIVE ENVIRONMENTAL TESTS
 THE LEADER IN ENVIRONMENTAL TESTING
JOB NUMBER: 12

Date/Time Received:

CB&IUNPACKED BY: RE

CLIENT:

AE

Custody Seal Present

 YES NONumber of Coolers Received: 3

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
B1W	Y / N	Y / N	4.1	606	-0.1	4.0
B1W	Y / N	Y / N	4.2	606	-0.1	4.1
R1W	Y / N	Y / N	2.9	606	-0.1	2.8
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? YES NOLABORATORY PRESERVATION OF SAMPLES REQUIRED: NO YESBase samples are >pH 12: YES NO Acid preserved are <pH 2: YES NOpH paper Lot #: CRVOA headspace acceptable (5-6mm): YES NO NA

YES NO

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?

COMMENTS:
<u>samples received in good condition</u>
<u>samples received in good condition</u>
<u>E. Fischer</u>

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928

List Source: TestAmerica Houston

List Number: 1

Creator: Crafton, Tommie S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0 4.1 2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928

List Source: TestAmerica Corpus Christi

List Number: 3

List Creation: 03/13/15 03:49 PM

Creator: Contreras, Kristen N

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928

List Source: TestAmerica Nashville

List Number: 2

List Creation: 03/13/15 02:00 PM

Creator: Armstrong, Daniel

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-107928-1

Login Number: 107928

List Source: TestAmerica Pensacola

List Number: 4

List Creation: 03/13/15 05:42 PM

Creator: Siddoway, Benjamin

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C IR-2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	